

Shawn E. Abrell, WSBA No. 41054, *Pro Hac Vice*
4614 SW Kelly Avenue, Suite 200, Portland, Oregon 97219
Tel.: 971.258.0333; Fax: 503.222.0693
E-Mail: shawn.e.abrell@gmail.com
Lead Counsel for Plaintiffs

Tyl W. Bakker, OSB No. 90200
621 SW Alder, Suite 621, Portland, Oregon 97205
Tel.: 503.244.4157; Fax: 503.220.1913
E-Mail: tylbakker@gmail.com
Local Counsel for Plaintiffs

United States District Court
District of Oregon
Portland Division

AHM, by and through
her Guardian *ad litem* and father,
David Mark Morrison, and
David Mark Morrison, individually,

Civil Action No. 3:11-cv-00739-MO

Plaintiffs,

v.

**Plaintiffs' Exhibit L –
Deposition Transcript of
Barrie Trower**

Portland Public Schools,

Defendant.

In The Matter Of:

AHM, ET. AL.

v.

PORTLAND PUBLIC SCHOOLS

BARRIE TROWER - Vol. 1

January 30, 2012

MERRILL LAD

1325 G Street NW, Suite 200, Washington, DC

Phone: 800.292.4789 Fax: 202.861.3425

IN THE UNITED STATES DISTRICT COURT
DISTRICT OF OREGON
Portland Division

- - - - -
IN THE MATTER OF)
)
AHM, BY AND THROUGH HER GUARDIAN)
AD LITEM AND FATHER, DAVID MARK MORRISON,)
AND DAVID MARK MORRISON, INDIVIDUALLY,)
Plaintiff,)
) CIVIL ACTION NO:
v.) 3:11-CV-00739-MO
)
PORTLAND PUBLIC SCHOOLS,)
)
Defendant.)
- - - - -

DEPOSITION OF BARRIE TROWER

VOLUME I

Monday, January 30, 2012

AT: 10:00 a.m.

Taken at:

Blake, Cassels & Graydon LLP

23 College Hill

5th Floor

London

EC4R 2RP

United Kingdom

Job No. 24-209886

Pages: 1 - 138

Court Reporter:

Anne-Marie Stallard

Accredited Real-time Reporter

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|---|---|
| <p>1 APPEARANCES</p> <p>2 Appearing for the Plaintiff:</p> <p>3 SHAWN E. ABRELL, ESQ.,</p> <p>4 1560 Holly Street</p> <p>5 Portland, Oregon, 97068</p> <p>6 (503) 258 0333</p> <p>7 Appearing for the Defendant:</p> <p>8 BRUCE CAMPBELL, ESQ.,</p> <p>9 MILLER NASH LLP</p> <p>10 3400 U.S. Bancord Tower,</p> <p>11 111 S.W. Fifth Avenue,</p> <p>12 Portland,</p> <p>13 Oregon, 97204-3699</p> <p>14 (503) 224 5858</p> <p>15 ALSO PRESENT:</p> <p>16 L. Lloyd Morgan, B.S.</p> <p>17 Brenda Short, Powerwatch</p> <p>18</p> <p>19</p> <p>20</p> <p>21</p> <p>22</p> <p>23</p> <p>24</p> <p>25</p> | <p>1 EXHIBIT INDEX</p> <p>2</p> <p>3 No. Description Page</p> <p>4 Exhibit 55 AMENDED DECLARATION OF54</p> <p>5 BARRIE TROWER</p> <p>6 Exhibit 5 NATIONAL CANCER110</p> <p>7 INSTITUTE FACT SHEET</p> <p>8 Exhibit 6 AMERICAN CANCER SOCIETY113</p> <p>9 STATEMENT</p> <p>10 Exhibit 9 U.S. FOOD & DRUG116</p> <p>11 ADMINISTRATION STATEMENT</p> <p>12 Exhibit 10 NATIONAL TOXICOLOGY118</p> <p>13 PROGRAM STATEMENT</p> <p>14 Exhibit 14 HEALTH PROTECTION121</p> <p>15 AGENCY ADVICE</p> <p>16 Exhibit 56 REPLY OF BARRIE TROWER127</p> <p>17</p> <p>18 (Exhibits attached to the transcript)</p> <p>19</p> <p>20</p> <p>21</p> <p>22</p> <p>23</p> <p>24</p> <p>25</p> |
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| <p>1 WITNESS INDEX</p> <p>2</p> <p>3 Witness Page</p> <p>4 BARRIE TROWER (sworn)5</p> <p>5 Examination by MR. CAMPBELL5</p> <p>6 Examination by MR. ABRELL132</p> <p>7</p> <p>8</p> <p>9</p> <p>10</p> <p>11</p> <p>12</p> <p>13</p> <p>14</p> <p>15</p> <p>16</p> <p>17</p> <p>18</p> <p>19</p> <p>20</p> <p>21</p> <p>22</p> <p>23</p> <p>24</p> <p>25</p> | <p>1 BARRIE TROWER</p> <p>2 having been duly sworn testified as follows:</p> <p>3 MR. CAMPBELL: This is Bruce Campbell.</p> <p>4 Before we begin, I want to put a couple of things on</p> <p>5 the record. First of all, this was the day that was</p> <p>6 duly noted for the deposition of Andrew Goldsworthy and</p> <p>7 I understand that Mr. Goldsworthy is not here today.</p> <p>8 We had tomorrow noticed for the deposition of</p> <p>9 Mr. Trower and I understand that Mr. Trower is not</p> <p>10 available for tomorrow, so on short notice I have</p> <p>11 attempted to prepare for Mr. Trower's deposition today</p> <p>12 and we are going forward with a full reservation of</p> <p>13 rights to seek any appropriate relief.</p> <p>14 EXAMINATION BY MR. CAMPBELL</p> <p>15 Q. Good morning Mr. Trower.</p> <p>16 A. Hello, sir.</p> <p>17 Q. My name is Bruce Campbell and I'm representing</p> <p>18 Portland Public Schools in this lawsuit.</p> <p>19 Mr. Trower, have you ever had your deposition</p> <p>20 taken before?</p> <p>21 A. No, sir.</p> <p>22 Q. Do you understand, has the process been</p> <p>23 explained to you?</p> <p>24 A. Yes, sir.</p> <p>25 Q. So I will be asking you a series of questions</p> |

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| <p>1 and, if things go well, you'll be answering 2 my questions and both my questions -- or your answers 3 to my questions are given under oath. 4 A. Yes, I understand that. 5 Q. So your answers may be used in a court 6 proceeding in this matter; do you understand that? 7 A. I understand that, sir. 8 Q. Also, for the court reporter's benefit it's 9 helpful if you answer audibly: so instead of shaking 10 your head or nodding your head, or saying "uh-uh" or 11 "ah-ha", if you could say yes or no or give a full and 12 audible answer, can you do that? 13 A. Yes, sir. 14 Q. We'll probably need to remind you during 15 the day. It always happens that way. 16 Also, it's very important that you understand 17 my questions, so if I ask a question that you don't 18 understand or is unclear to you, please tell me so and 19 I will be happy to rephrase my question. 20 A. Thank you, sir. 21 Q. Mr. Trower, are you on any medications today 22 that would affect your memory or your ability to give 23 complete and accurate testimony? 24 A. That's a good question. I am on medication. 25 To my knowledge -- I'm not a pharmacist -- to my</p> | <p>1 A. Many, many sir, yes. 2 Q. What documents have you reviewed? 3 A. Oh, you want a list? 4 Q. Yes, if you could provide, if you could 5 identify the documents that you did look at in 6 connection with your preparation. You can describe 7 them by category too, if that would be helpful. 8 A. The -- the documents I reviewed -- I don't know 9 that I can provide the list. I mean, I've probably 10 been reading for ... months. I read almost everything 11 which is published. I'm a scientific adviser to 12 several organizations, a couple of them international, 13 and what that means is I receive documents through 14 the post which I generally translate, rewrite into 15 ordinary, everyday English as a teacher, and send them 16 back so that the organizations can explain them to 17 their readers. 18 Q. Okay. 19 A. But we're probably talking about 200 to 300 20 documents. 21 Q. Alright, but you would review those 200 to 300 22 documents in connection with your work as -- as 23 an adviser? 24 A. Well, it's all linked, sir. The effect of low 25 level microwave irradiation on any cell form, it's all</p> |
| Page 7 | Page 9 |
| <p>1 knowledge, it shouldn't affect my memory or ability to 2 answer. 3 Q. Is the medication that you're on today 4 something you take on a daily basis? 5 A. Yes. 6 Q. So do you typically have problems with your 7 memory or ability to give full and accurate statements? 8 A. No sir, no. No, no. 9 Q. Are there any other reasons, sitting here 10 today, that you would be unable to give full and 11 accurate testimony? 12 A. No, sir. 13 Q. So, let's spend a couple of minutes talking 14 about your preparation; did you do anything to prepare 15 for your deposition here today? 16 A. In terms of writing and talking to 17 the attorneys, yes sir. 18 Q. Okay. I'm not entitled to ask you about 19 conversations that you've had with your attorney. 20 A. Right. 21 Q. So, other than talking to your attorney, have 22 you spoken to anybody else about your deposition? 23 A. No, sir. 24 Q. Have you reviewed any documents in connection 25 with your deposition?</p> | <p>1 linked, so whether we're talking about trees or 2 children or adults, the cellular structure is exactly 3 the same. 4 Q. Alright. Maybe I can make it a little easier. 5 What I'm asking you for are documents that you've 6 reviewed specifically in preparation for 7 the deposition. So, if you review documents also in 8 the course of your work as a scientific adviser or also 9 in your course of other activities, that's not really 10 what I'm asking for. It's just what documents did you 11 specifically look at in preparing for your deposition? 12 A. Again, sir, I'm not trying to be difficult: 13 I probably have four or five ongoing discussions 14 which -- I don't understand the meaning of the word 15 "deposition", but I have four or five ongoing projects 16 of which this is one, and as I read documents or review 17 documents or remember documents, or reread documents 18 which I have myself written, I bear in mind where it 19 could be useful, but if you're saying to me did I read 20 a specific document for this specific trial, I would 21 have to say probably quite a few; but it wouldn't be 22 one document, it would be a part of one document to do 23 with a specific cellular process, which I may have 24 picked up through a chain reaction of four or five 25 documents.</p> |

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| <p>1 I'm not trying to be difficult, sir --</p> <p>2 Q. No, I think I understand. I think you -- maybe</p> <p>3 if I can summarize, your work is -- overlaps in some</p> <p>4 degree and kind of, to some extent dovetails --</p> <p>5 A. Everything overlaps.</p> <p>6 Q. Yes, so --</p> <p>7 A. Everything overlaps.</p> <p>8 Q. So it's hard to parse out exactly what you're</p> <p>9 doing for this deposition as opposed to your other</p> <p>10 endeavors?</p> <p>11 A. Absolutely, sir. Absolutely.</p> <p>12 Q. You mentioned that you have four or five</p> <p>13 ongoing projects.</p> <p>14 A. Yes, sir.</p> <p>15 Q. What are they?</p> <p>16 A. I was a guest of the king in South Africa,</p> <p>17 probably a year and a half ago. Again, because they</p> <p>18 had an unusual number of illnesses to do with ants,</p> <p>19 bees, trees. If I could explain ants, it may not seem</p> <p>20 important, but when wi-fi and transmitters went up near</p> <p>21 a farmer's field and these people, the gentlemen</p> <p>22 concerned, they live off the land, they really know</p> <p>23 their land, and he said, "The moment the transmitter</p> <p>24 went up, all of my ants disappeared," and the bees</p> <p>25 didn't come back in his other field.</p> | <p>1 the barrister was a lady called Fizer, F-I-Z-E-R, who</p> <p>2 worked for free. I worked for free. There was a wi-fi</p> <p>3 transmitter erected in the middle of a township, and</p> <p>4 within two years most of the township had to leave.</p> <p>5 They had multiple illnesses. The township had to</p> <p>6 leave, and they asked the company, I think it was</p> <p>7 Wimax -- it was Wimax -- they asked the company to</p> <p>8 remove the transmitter. The company said no, and I was</p> <p>9 asked to visit South Africa by the township and friends</p> <p>10 of the township.</p> <p>11 We prepared a legal document, or I presented</p> <p>12 the science, a legal document, the barrister did all of</p> <p>13 the law. This is the same time the volcano went off, if you</p> <p>14 are looking for a date. The case went to court and it was</p> <p>15 won -- this was in the summer, I think the August, when</p> <p>16 the volcano went off. The case went to court, the township</p> <p>17 people won, the transmitter was taken down Christmas Eve,</p> <p>18 I had a telephone call Christmas Eve to say the transmitter</p> <p>19 was being dismantled that day and the township people were</p> <p>20 going back. Since then, another transmitter has been taken</p> <p>21 down, maybe others, I don't know.</p> <p>22 Q. Alright. So that would be two ongoing</p> <p>23 projects. Are there any others that you have?</p> <p>24 A. Yes sir, yes. I have ongoing projects, gosh,</p> <p>25 in Norway, Denmark, New Zealand ... Norway, Denmark,</p> |
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| <p>1 But the ants disappeared, and the ants crawl over</p> <p>2 the plants, licking the moist substances that the plants</p> <p>3 produce, but they also protect the plants from other insects</p> <p>4 landing on them, so it's a symbiotic relationship.</p> <p>5 So in terms of the ant, to this gentleman the ant</p> <p>6 was as important as -- speaking at the same meeting for</p> <p>7 His Majesty was a teacher who had been a teacher there for</p> <p>8 30 years, and this is -- it's on the internet, the actual</p> <p>9 video is on the internet of me speaking. It's His Majesty</p> <p>10 King Kofi Kgfela II in Botswana.</p> <p>11 The teacher, just as important, said that he had</p> <p>12 a class of, I believe it was 30 children, he'd been</p> <p>13 a teacher for 30 years, and bad behavior -- suicidal</p> <p>14 tendencies, bad behavior were unknown in African children</p> <p>15 but within 18 months of the transmitter going up, he said</p> <p>16 every single child in his class was on ritalin for bad</p> <p>17 behavior and, again, the only thing he could put it down to</p> <p>18 was the wi-fi and the transmitter in the school.</p> <p>19 So, that was the African. I gave several lectures</p> <p>20 in different parts of Africa, but that's the example.</p> <p>21 Q. Mostly in Botswana?</p> <p>22 A. Oh no, sir, Johannesburg.</p> <p>23 Q. In Johannesburg?</p> <p>24 A. Yes sir, we fought a legal case in</p> <p>25 Johannesburg -- and this is on the record --</p> | <p>1 New Zealand ... it's not Bombay, the new name for</p> <p>2 Bombay.</p> <p>3 Q. Mumbai.</p> <p>4 A. Mumbai. Mumbai, Ireland -- southern Ireland,</p> <p>5 Canada. That might be -- yes.</p> <p>6 Q. Alright, let's talk about those projects.</p> <p>7 Let me start with Canada; what's the nature of</p> <p>8 that project?</p> <p>9 A. The nature of that project, sir, I was invited</p> <p>10 by Professor Magda Havas to give a lecture at</p> <p>11 Trent University. This was indirectly from, I believe</p> <p>12 it was called Collingwood School, who were suffering</p> <p>13 illnesses, again from wi-fi, and I gave a lecture at</p> <p>14 the university, the usual television and radio</p> <p>15 broadcasts. I spoke to probably legal people, I'm not</p> <p>16 sure. I mean, when you go to rooms like this --</p> <p>17 I spoke to people about the science and the result of</p> <p>18 that, sir, was I heard not too long ago that</p> <p>19 Collingwood School had now taken out the wi-fi and</p> <p>20 I believe the neighboring school either is or is</p> <p>21 considering taking out wi-fi, but wi-fi is certainly</p> <p>22 out of that school.</p> <p>23 Q. So do you know, in the Collingwood School was</p> <p>24 wi-fi taken out as a result of community pressure, or</p> <p>25 was it a legal action?</p> |

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|--|--|
| <p>1 A. I don't know, sir.</p> <p>2 Q. How about southern Ireland?</p> <p>3 A. Southern Ireland, I have visited there three</p> <p>4 times and I've been asked to go back. Again, it is</p> <p>5 an ongoing legal case. I went over there, I met</p> <p>6 a legal secretary, whose name I can never remember.</p> <p>7 I prepared a legal document. This was to do with not</p> <p>8 only people becoming ill around transmitters, it was --</p> <p>9 it surprised me -- it was to do with the effect on</p> <p>10 racehorses. They seemed very, very interested in their</p> <p>11 racehorses becoming sick where you have transmitters</p> <p>12 near the breeding stables, and I went over there to</p> <p>13 discuss the cellular aspects of low level radiation,</p> <p>14 but that is ongoing, sir, there is no result there.</p> <p>15 Q. Alright, how about Norway?</p> <p>16 A. Norway, I've been told -- I'm due to visit</p> <p>17 Norway in about six weeks. A gentleman from -- oh, and</p> <p>18 Spain. Sorry sir, and Spain as well. I'm thinking of</p> <p>19 the television crews that came across. Oh, and</p> <p>20 Germany. Sorry, yes, Germany as well. I'm sorry,</p> <p>21 I forget, I gave a big lecture to</p> <p>22 International Scientist in Germany.</p> <p>23 Sorry, which country was I in?</p> <p>24 Q. Norway.</p> <p>25 A. A gentleman from Denmark came across,</p> | <p>1 television debate and public appearances, television</p> <p>2 appearances, with -- or against a Dr. Black, who is</p> <p>3 the communications spokesperson for New Zealand.</p> <p>4 The gentleman organizing the trip is a Mr. John Cooke,</p> <p>5 with an "e", who is in Auckland, and one of the groups</p> <p>6 that have asked me to give a particular talk are</p> <p>7 the representatives of Maori, because they are</p> <p>8 concerned about transmitters going up in their natural</p> <p>9 habitats, the effect on trees.</p> <p>10 Q. Alright. Can you tell us about your work in</p> <p>11 Mumbai?</p> <p>12 A. Mumbai, yes sir, is a man called Daddy,</p> <p>13 a gentleman called Daddy, he says "Call me Daddy",</p> <p>14 a Mr. Daddy, and he has asked me to go Mumbai. I've</p> <p>15 delayed going out there at the moment because I don't</p> <p>16 travel very well, and he is concerned -- it was</p> <p>17 a particular block of flats he was concerned in when</p> <p>18 the transmitter went on the roof of the block of flats</p> <p>19 and the people in the neighboring block of flats where</p> <p>20 it transmitted through were becoming very ill, and</p> <p>21 there seems to be an unrestricted growth of</p> <p>22 transmitters. He is a business gentleman, I'm not sure</p> <p>23 what business he's in, but he asked me to send him</p> <p>24 a pile of documents and he has asked me to go and</p> <p>25 visit, but at the moment I've said I can't do</p> |
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| <p>1 a producer, a television producer from Denmark came</p> <p>2 across just a few weeks ago because I had been</p> <p>3 communicating with a lady and gentleman in Norway.</p> <p>4 They had had a visit from the -- a gentleman --</p> <p>5 I presume a gentleman, it may have been a lady -- from</p> <p>6 the Norwegian king and queen, who were interested in</p> <p>7 my visit to other royals, which I have spoken to.</p> <p>8 I have been invited to Norway, maybe to meet</p> <p>9 His Majesty and Her Majesty, maybe to meet their</p> <p>10 representative.</p> <p>11 Similarly, the gentleman from Denmark is also</p> <p>12 asking me to do a triangle and go to Denmark to discuss</p> <p>13 the effects on the environment.</p> <p>14 Q. Okay, so that's a trip that you have not yet</p> <p>15 taken?</p> <p>16 A. It's due -- where are we now? February.</p> <p>17 March 22 to the 25th I'm in Norway, and from the 25th</p> <p>18 they want me to go down to Denmark, but I deliberately</p> <p>19 told them I couldn't commit myself to a visit until</p> <p>20 I had spoken to you gentlemen in case I had a telephone</p> <p>21 call or something booked, so I promised to ring them</p> <p>22 when I got back from London.</p> <p>23 Q. Okay. Alright, so how about New Zealand?</p> <p>24 A. New Zealand, they have organized a trip. I do</p> <p>25 not have a date, but they wish me to make a live</p> | <p>1 everything at once, but I'm still in communication.</p> <p>2 Q. Thank you. Tell us about your work in Spain.</p> <p>3 A. Spain, yes sir. This is linked to Germany.</p> <p>4 I was invited to give a lecture to 400 international</p> <p>5 scientists in a place called Ulm, U-L-M, in Germany on</p> <p>6 the German/Swiss border, and the -- it was a six-hour</p> <p>7 lecture: I did three hours in the morning and</p> <p>8 three hours in the evening. The evening lecture was by</p> <p>9 way of a television interview, which they turned into</p> <p>10 a DVD to send out to all of the scientists.</p> <p>11 Two of the scientists, or one of the scientists</p> <p>12 but two people, were there from Spain and after my six hours</p> <p>13 talk, they asked if they could come across and interview me</p> <p>14 with a view to a television documentary, I believe for Sky,</p> <p>15 Discovery Channel. They came over to my house soon after</p> <p>16 and, again, they filmed for three days, a crew of four</p> <p>17 filmed for three days. They went back -- a lady called</p> <p>18 Paziz, it's Mrs. or Ms. Paziz -- no Cadiz, C-A-D, Cadiz.</p> <p>19 I'm sorry, Cadiz. I think it's Paz, P-A-Z, Cadiz. And they</p> <p>20 invited me to visit Spain to present a series of lectures in</p> <p>21 Spain. I've said: yes, but not now. Again, I don't travel</p> <p>22 well, so I hope they'll get somebody else.</p> <p>23 Q. Okay, were there any others? I think we've</p> <p>24 covered -- ran through the list that you identified.</p> <p>25 A. Not that I can think of at the moment, sir.</p> |

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|---|---|
| <p>1 Q. Any of these matters, did you give -- you 2 testified earlier that you had never been deposed 3 before; have you ever provided testimony in court? 4 A. Oh yes sir, yes. Well, I don't understand 5 the word "deposed": if it means being asked questions 6 legally, yes, I have been asked to represent 7 communities at planning meetings, purely as 8 a scientific -- scientist. 9 I was invited by the two police unions in this 10 country, the PC -- public -- P -- Public Commercial Services 11 Union and the Police Federation of England and Wales, I was 12 invited by both of those over a gap of a few years to write 13 the safety report on the Tetra airwave communications system 14 with a view to the irradiation of the gentlemen and the lady 15 police officers, and the lady police officers who may be 16 pregnant, and the siting of transmitters around police, fire 17 brigades, ambulance service, married quarters, where they 18 have schools and houses, and on a few occasions I have been 19 invited to -- where the family have been ill, they've asked 20 me to go to a planning meeting, or the MPs have invited me 21 to a meeting, because the MPs have actually brought this up 22 in Parliament where people have -- around the transmitters 23 there was one case of 18 leukemia -- cases in 18 different 24 families around a Tetra transmitter. This was brought up in 25 Parliament.</p> | <p>1 the Parliamentary Standing Committee, or it may have 2 been all of the Parliament, I don't know how many they 3 have. I was invited to speak at the Welsh 4 Parliament -- my transcript is on the internet, the -- 5 what do they call it? It's not the Welsh Parliament 6 it's the -- Welsh Assembly. The Welsh Assembly. 7 I was invited by -- what's her name? I've got her 8 card in my ... in Australia, I was invited by the minister, 9 the environment minister to give a television broadcast and 10 speak. I can get her name out of my -- 11 Q. That's okay. I'm just trying to find out, so 12 you've testified in front of community planning 13 meetings and some -- 14 A. And ministers, yes sir. 15 Q. And ministers and government organizations. 16 A. Yes, sir. 17 Q. Have you testified in a court proceeding 18 before? 19 A. No, sir. But I believe I'm due to. 20 Q. In connection with this case? 21 A. Not in connection with this case, no, sir. 22 It's -- my statement has gone through the solicitor. 23 The solicitor has accepted my evidence and it has gone 24 to the barrister. I don't know if you have 25 the equivalent of a barrister. It's gone to</p> |
| Page 19 | Page 21 |
| <p>1 Other cases have involved me giving evidence on 2 oath with ordinary planning to do with either wi-fi or 3 transmitters or -- I've probably done quite a -- and I've 4 spoken to councils and governments under oath, sir. I'm 5 trying to think how many governments I've spoken to. 6 Probably four different governments under oath. 7 Q. Okay, and maybe when I use the term 8 "deposition", that's a commonly used term in 9 the United States, but a deposition is generally in 10 connection with a lawsuit or a court proceeding: 11 we have an opportunity to have a witness be sworn in 12 and then ask questions under oath as a lead-up to 13 a trial. 14 A. No, then that -- no sir, because you turn up on 15 the day, you're under oath and you answer questions 16 from the chairperson or the judge or their counsel. 17 Q. Right. So it sounds like you've testified in 18 a number of community planning meetings. 19 A. Yes sir, absolutely correct. 20 Q. Did you testify before Parliament? 21 A. Not the British Parliament. 22 Q. Did you -- was there another Parliament that 23 you testified before? 24 A. Yes sir, yes sir. I was a guest -- it's either 25 Jersey or Guernsey, I testified there to</p> | <p>1 the barrister and I'm waiting now to hear from 2 the barrister whether I will be called to give evidence 3 in June. 4 Q. In which case is this? 5 A. This is to do with the Tetra airwave 6 communication system having a detrimental effect on 7 the physiology of police officers and bystanders to do 8 with a riot we had two and a half years ago. 9 Q. And what court is that in front of? 10 A. This is the Old Bailey, the High Court. 11 Sorry, I'm being corrected. The crown court. 12 The crown court, sorry. The crown court. I don't know 13 my law, I'm sorry. 14 Q. Thank you, let's take a couple of minutes and 15 talk about your background. 16 First of all, where are you from originally? 17 A. I was born here in London, sir, not too far 18 away from here, Hammersmith Hospital. 1945. 19 Q. At the end of the war. 20 A. You were still fighting Japan at the time, sir. 21 We'd just won in Europe and you were still fighting 22 Japan. 23 Q. A good time to be born. 24 A. It was a good time to be born, sir, yes. 25 Q. And where did you go to school, starting with</p> |

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| <p>1 college?</p> <p>2 A. College? What age are we talking about?</p> <p>3 MR. ABRELL: After primary school.</p> <p>4 MR. MORGAN: High school.</p> <p>5 MR. ABRELL: About 18?</p> <p>6 BY MR. CAMPBELL</p> <p>7 Q. So you went to elementary school --</p> <p>8 A. Yeah, okay, I've got you. I was -- not</p> <p>9 requested, I was encouraged to go to what you would</p> <p>10 call "Military school" and this was at the age of --</p> <p>11 well, I signed up just before my 15th birthday,</p> <p>12 I think. But at 15, I went to military school and</p> <p>13 I had all of my education.</p> <p>14 When I went to school at the end of the war,</p> <p>15 we need to appreciate there were very few teachers: they'd</p> <p>16 all been out fighting and the only teachers we had had been</p> <p>17 requisitioned back from retired people. When I left school</p> <p>18 at 14, there were no -- in my school there were no</p> <p>19 qualifications, there were no exams, nothing. You walked</p> <p>20 out of school the same way you walked in several years</p> <p>21 earlier.</p> <p>22 So, I was encouraged by my mother -- I never knew</p> <p>23 my father -- I was encouraged by my mother to go to military</p> <p>24 school and gain an education from there. So, from the age</p> <p>25 of 15, sir, military school.</p> | <p>1 are probably the same, on the first role call, on</p> <p>2 the very first morning the next day, they expect you to</p> <p>3 be a man and that's how they treat you.</p> <p>4 Q. And that would have been the early 1960s?</p> <p>5 A. 60. And we worked from cold showers at 5.30 in</p> <p>6 the morning, in one end out the other, like a cattle</p> <p>7 grid, no dodging that, and we worked up until around</p> <p>8 9.30 in the evening, with the evening classes, when</p> <p>9 we were expected to go to bed, and weekends were</p> <p>10 washing and ironing and cleaning.</p> <p>11 Q. And what did you learn about microwave warfare</p> <p>12 when you were in military school?</p> <p>13 A. We need to go onto the -- we learnt over</p> <p>14 18 months that microwaves were used as stealth weapons.</p> <p>15 We went through the safety aspect first, because</p> <p>16 we learnt how they were generated with the magnetrons</p> <p>17 and everything, and we were told about shielding, not</p> <p>18 to be in the magnetron room for more than, I think it</p> <p>19 was three or four minutes at a time for exposure.</p> <p>20 We had safety keys, where if microwaves, even at</p> <p>21 the lowest level -- because, in fact, low level we were</p> <p>22 taught was more dangerous than a high level. If you</p> <p>23 are going to be exposed, then you have to tell various</p> <p>24 people who have keys, and they switch off and you have</p> <p>25 key holders.</p> |
| Page 23 | Page 25 |
| <p>1 Q. And how long were you in military school?</p> <p>2 A. 15, 16, 17 -- military school, the first part,</p> <p>3 18 months.</p> <p>4 Q. So you finished when you were 17?</p> <p>5 A. 17 -- yes.</p> <p>6 Q. So would that be the equivalent of in America</p> <p>7 what's high school or prep school?</p> <p>8 A. Probably. We did advanced -- you chose your</p> <p>9 topic. I was interested in microwave technology, and</p> <p>10 so I spent most of the day -- I mean, we did all of</p> <p>11 the common subjects but I spent most of the day</p> <p>12 studying in my field of microwave technology.</p> <p>13 Q. When you were in military school?</p> <p>14 A. Yes, sir.</p> <p>15 Q. And what aspects of microwave technology did</p> <p>16 you study?</p> <p>17 A. We studied the application of radar,</p> <p>18 the application of mine warfare, the application of</p> <p>19 health, how microwaves affected health, the application</p> <p>20 of microwave warfare, as in stealth warfare, to be used</p> <p>21 as a weapon.</p> <p>22 Q. And this was all before you were 17?</p> <p>23 A. Oh, absolutely, sir. You go straight, as they</p> <p>24 say there -- they had a phrase there, "boy to man":</p> <p>25 you went in as a boy and on -- your military schools</p> | <p>1 So, it was more to do with safety and</p> <p>2 the rudimentary part of how they could affect you as</p> <p>3 a person, but it wasn't until I went to the top secret --</p> <p>4 which is still there, and I must be incredibly careful here</p> <p>5 what I say because it's still there and it's still top</p> <p>6 secret. I'll write it down for you, if you like, sir, but</p> <p>7 I can't say it on camera, where -- the name of the base.</p> <p>8 Q. You're not on camera, but ...</p> <p>9 A. Okay, I went to -- I went to a top secret</p> <p>10 military base --</p> <p>11 Q. Just to pause. This could be -- this is not</p> <p>12 entirely private, this proceeding, so --</p> <p>13 A. Yes, sir.</p> <p>14 Q. If there is something that's top secret and</p> <p>15 you disclose it --</p> <p>16 A. I go to jail.</p> <p>17 Q. Well, this is not a sealed proceeding, sir.</p> <p>18 A. No, I know sir, I'm just saying. I went to</p> <p>19 a top secret location and this is where we -- I was</p> <p>20 probably there -- I'm terrible with the years -- maybe</p> <p>21 nine months where from early in the morning until late</p> <p>22 at night we -- we did much more depth, we went into</p> <p>23 much more depth of all aspects of microwave technology.</p> <p>24 Q. And when was this?</p> <p>25 A. I would guess 1961, 1962. From probably</p> |

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|---|--|
| <p>1 the middle of 1961 over into 1962.</p> <p>2 Q. Okay, so still when you were in military</p> <p>3 school?</p> <p>4 A. This -- well, it wasn't military school then,</p> <p>5 it was a proper military base that specialized in</p> <p>6 microwave technology.</p> <p>7 Q. Okay, I thought you had testified earlier that</p> <p>8 you started military school when you were 15.</p> <p>9 A. Yes, sir.</p> <p>10 Q. And were there for 18 months.</p> <p>11 A. Probably -- yes, yes.</p> <p>12 Q. And so was this -- your stint at the base, was</p> <p>13 that within the 18 months or after the 18 months?</p> <p>14 A. Oh, after the 18 months. You had to qualify at</p> <p>15 the base. You have to qualify from what you would call</p> <p>16 military school and then you went on to this new place.</p> <p>17 Q. Okay. What did you learn about stealth</p> <p>18 warfare?</p> <p>19 A. From the military point of view, sir, that low</p> <p>20 level microwaves over a long period of time can be more</p> <p>21 dangerous than a short dose of high level microwaves,</p> <p>22 the reason being that the antioxidants in the body --</p> <p>23 if you put a mobile phone up to your head,</p> <p>24 the antioxidants in the body are activated, vitamins A,</p> <p>25 C, E and other things, they are activated and they can</p> | <p>1 And he said to me, he said: if that doesn't happen, all</p> <p>2 they've got to do is aim it at your head to make you make</p> <p>3 a mistake, which intrigued me because I hadn't learnt about</p> <p>4 that at that time.</p> <p>5 So, they were used and, as far as I know, still</p> <p>6 are used in rudimentary warfare, but it's very effective.</p> <p>7 Q. How long were you assigned to this base?</p> <p>8 A. Around nine months, sir.</p> <p>9 Q. And what did you do when your assignment ended?</p> <p>10 A. I was posted to the military base, HMS Terror,</p> <p>11 in Singapore and assigned to -- I worked for a short</p> <p>12 period -- you'll appreciate the Borneo war was on at</p> <p>13 that time. I worked for a short time, if requested,</p> <p>14 with the Royal Air Force air-sea rescue launch. They</p> <p>15 had a boat for any pilots that crashed. They had</p> <p>16 a boat but didn't have any divers, so I was assigned to</p> <p>17 the RAF rescue launch. When I wasn't with the RAF</p> <p>18 rescue launch I was on my destroyer as radar and diver.</p> <p>19 I was on that ship -- we went to the conflict in</p> <p>20 Borneo, then we went to Aden, where there was another</p> <p>21 conflict. We went to British Guyana, where there was</p> <p>22 another conflict and after 19 months I came back and</p> <p>23 I went back again to the military base for -- oh no,</p> <p>24 I went to the medical school to train. I wanted to</p> <p>25 train in medicine so I went to the medical school.</p> |
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| <p>1 rush around and try to defend and repair the body, but</p> <p>2 with a low level dose of microwaves, doses are</p> <p>3 accumulative, all electromagnetic waves are</p> <p>4 accumulative in the body. Doses are accumulative and</p> <p>5 they can build up, but they come in below the level</p> <p>6 that the antioxidants are triggered, so harm can be</p> <p>7 done without the body realizing it until it's too late.</p> <p>8 They are also used in stealth warfare, I worked</p> <p>9 with the bomb disposal unit, underwater bomb disposal unit,</p> <p>10 and leading on from the Second World War when the German</p> <p>11 technicians, who were very, very clever at booby trapping</p> <p>12 bombs, we were told that -- because we had to dismantle our</p> <p>13 mines underwater, and a good example was when I found a mine</p> <p>14 underwater that looked incredibly complex, which brings all</p> <p>15 of this into focus, and I came up and asked my partner,</p> <p>16 I said: I need to bring this up, I can't do this where it's</p> <p>17 positioned underwater. I said: can I bring this up? And</p> <p>18 he said: no, don't be stupid, Trower. He said: if you take</p> <p>19 the plate off -- what the dissidents, or the enemies would</p> <p>20 do, if you brought the mine up and you took the side plate</p> <p>21 off to get at all the gubbins inside, they only had to beam</p> <p>22 a microwave beam that you couldn't see, feel, touch, and of</p> <p>23 course it could go through you, because microwaves go</p> <p>24 through people, and it could trigger a circuit in</p> <p>25 a photoelectric cell and blow the mine and the operator.</p> | <p>1 Q. What was the name of the destroyer?</p> <p>2 A. Caprice, C-A-P-R-I-C-E. HMS Caprice.</p> <p>3 Q. HMS Caprice?</p> <p>4 A. Caprice, yes.</p> <p>5 Q. And what was your rank when you were on</p> <p>6 the Caprice?</p> <p>7 A. Just an ordinary radar microwave technician and</p> <p>8 diver.</p> <p>9 Q. Did you have a formal military rank?</p> <p>10 A. No, I refused to go forward for promotion, sir.</p> <p>11 Q. What would your -- coming out of the --</p> <p>12 the nine months of training at the base, what would</p> <p>13 your rank have been?</p> <p>14 A. Just an ordinary microwave radar technician and</p> <p>15 diver. Just --</p> <p>16 Q. Was that in the British Navy?</p> <p>17 A. The British Navy, yes.</p> <p>18 Q. But -- do the British Navy classify ...</p> <p>19 A. I was just an ordinary -- just an ordinary</p> <p>20 ranking technician, seaman --</p> <p>21 Q. Okay, was that the -- like in the U.S. Navy it</p> <p>22 would be ensign, for example, to start out; is there</p> <p>23 a parallel rank in the British Navy?</p> <p>24 A. I don't think so, sir. No, because you --</p> <p>25 I mean you have petty officers that come automatically.</p> |

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| <p style="text-align: right;">Page 30</p> <p>1 You know, we needed -- you needed to be in something 2 like 15 years to become a petty officer in our Navy. 3 Q. So you would be a seaman? 4 A. Seaman, yes, at the time. 5 Q. Okay. 6 A. No sir, I refused all -- whenever I had 7 a review, which was about every four months, I refused 8 to be put forward. 9 Q. Refused promotions? 10 A. Always, sir. 11 Q. Why is that? 12 A. Because the higher up -- it sounds silly now, 13 but I remember asking the diving officer when I was 14 getting all the equipment ready one day, I said to 15 the diving officer, "Would you like to come in, sir?" 16 and he said, "Don't be silly, Trower, you see these 17 whites? I have to look like this at the end of 18 the day." And I thought: how sad that you have to stay 19 clean and look clean. I like to get dirty, sir, and 20 I like be out where everything was happening, because 21 the moment you took promotion you sat behind a desk or 22 you organized people, and I didn't want that, sir, 23 I wanted to be out actually doing things and getting 24 dirty. 25 Q. Now, after your stint on the destroyer --</p> | <p style="text-align: right;">Page 32</p> <p>1 the north-western approaches, the submarine base in 2 Scotland. I flitted around from place to place. 3 Q. At different bases? 4 A. At different bases, yes. 5 Q. What were your activities at those bases? 6 A. It was either to do with medicine, diving or 7 being kept up -- with your forces, probably the same as 8 ours, you never do nothing. You are always required to 9 update, retrain, learn new -- even at sea, you're 10 learning all of the time. 11 Q. Now, what was the next step in your career? 12 A. I was invited to -- the -- at that time I was 13 newly married with two children. My wife developed 14 a severe cancer and subsequently died. Sorry. 15 Q. I'm sorry to hear that. Do you want to take 16 a little break? 17 A. Yes. Sorry. 18 (10:49 a.m.) 19 (Break taken.) 20 (10:51 a.m.) 21 THE WITNESS: With my specialist training, 22 the government didn't want to lose me. I was 23 approached by an officer -- because I had to look after 24 my children so I had to leave. I was approached by 25 an officer who said that would I like to become</p> |
| <p style="text-align: right;">Page 31</p> <p>1 A. Yes, sir. 2 Q. -- then you came back to the base? 3 A. I went to the Naval hospital and submarine 4 base, which is Haslar, H-A-S-L-A-R, at Portsmouth, 5 where I spent I think a year studying medicine, to 6 the equivalent, I would think, of what you would 7 have -- when you see the Vietnam films and things, when 8 you have medics. 9 Q. Like a field medic? 10 A. Yes, because our ships didn't go out with 11 doctors, they went out with medics, and you would 12 handle any emergency that came up. I asked to do that 13 course, I was accepted, I went through the training 14 which involved work in the operating theater, casualty, 15 the infectious unit. I qualified as a medic. Because 16 it was handy with a diving team to have a medic. 17 Q. So was it a one year program? 18 A. Probably a year, yes sir. 19 Q. Okay, and then did you become certified as 20 a medic after one year? 21 A. Yes sir, absolutely, absolutely. 22 Q. What did you do next? 23 A. I worked -- I just worked at the base. I'm 24 trying to think where I went from there. I had a few 25 short jobs where I was on a ship guarding</p> | <p style="text-align: right;">Page 33</p> <p>1 a teacher and work with the government, because I had 2 knowledge that was of interest. 3 BY MR. CAMPBELL 4 Q. What kind of knowledge of interest did you 5 have? 6 A. Mainly microwave warfare and medicine, and 7 I was a good learner. 8 So, I had really nothing more to do and I accepted 9 the -- I had to go and train as an officer, I went to 10 officer's training school, the Home Office's officer's 11 training school. 12 Q. Where was that? 13 A. A place called Lay Hill, I think, Lay Hill. 14 Q. What year was it that you started officer's 15 training school? 16 A. 1967 -- 1968. I went to the officer's training 17 school and I also went on a teacher training course for 18 human physiology, human biology and physical education. 19 Q. Who offered that course? 20 A. Well, this is the British Government. It was 21 fully paid for by the British Government. 22 Q. And you say it was a teacher training course? 23 A. Yes, sir. 24 Q. So was the idea that you would then become 25 a teacher where?</p> |

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| <p>1 A. Right. The ... I hadn't -- I qualified -- 2 I qualified in all of those, but in the middle of 3 those -- you see, the physical education part of 4 the course wasn't continuous: it was broken up, 5 I think, into 12 different segments. I was -- I think 6 another reason they wanted me was because of 7 my fitness. 8 They wanted me to teach in the maximum security 9 departments of British prisons, which housed spies, 10 dissidents, international terrorists, gangland killers, 11 the maximum security people, both men and women, and in 12 the middle of my qualifications, I also went to, I'm going 13 to say the word "secret", maximum security hospital where 14 I was there for about one and a half years where I was one 15 of 20 -- no, not 20. I'm trying to think how many -- we 16 took four cars whenever we went out, so probably 16. I was 17 one of 16 people who went on a special course run by 18 a Home Office psychiatrist to do with, putting it crudely, 19 interrogation techniques. 20 Again, I need to put this into perspective, sir: 21 the Cold War at that time was at its height and half of 22 the world's scientists were engaged in warfare. We were 23 within a heartbeat of total nuclear war. The world wasn't 24 a very happy place; we had spies, double agents, terrorist 25 groups, riots, and when these people were captured, I was</p> | <p>1 Q. And what period of time was that? 2 A. My wife would laugh if she could hear us. 3 She knows I can never remember dates or years. This 4 would be -- I started in 1967. This was 1967 to 1976, 5 because I had an attempt on my life in 1976 that put 6 an end to it all. 7 Q. By one of the prisoners? 8 A. I was -- I can't prove this. I was asked to 9 focus on two Middle Eastern gentlemen at the time 10 because the Middle East was also blowing up, and on my 11 way home I used to cycle 12 miles across London here 12 every day to my maximum security wing, and 13 a gentleman -- as I was cycling along, a gentleman 14 rushed out with his car, knocked me clean off the bike 15 and fractured my spine. 16 But there were two witnesses standing right on 17 the corner -- three witnesses standing right on the corner. 18 They rushed up with their names but they turned out to be 19 false -- false people, and he was a Middle Eastern gentleman 20 and I can only assume that I made a mistake, I got too 21 confident or I slipped up and they were onto me. 22 Q. And that was the end of that position? 23 A. That was the end of that position, yes. 24 I spent six years in hospital. 25 Q. Six years after you broke your spine?</p> |
| Page 35 | Page 37 |
| <p>1 asked to join a program that was originally started by 2 Sir William Melvin[sic], which involved obtaining 3 information that had not come out in trial. 4 Q. Obtained information from spies? 5 A. Spies, terrorists, I mean Baader-Meinhof, 6 Black September, a whole group of people. 7 Q. And through coercive questioning? 8 A. It was a little more subtle than that, sir, 9 you see, because I was a teacher. 10 Q. Okay. 11 A. And we would help them -- we would help them 12 with their university essays, but you're right, it was 13 sort of coercive questioning but we didn't actually ask 14 questions: we got into discussions and noted anything 15 relevant. 16 Q. Okay, so this was during the period where you 17 were teaching in a maximum security department? 18 A. Absolutely, sir, yes. 19 Q. So the people you were teaching were not 20 guards, but they were prisoners? 21 A. Oh, absolutely sir, yes. 22 Q. So in the course of teaching the prisoners 23 you were able to sometimes obtain helpful information? 24 A. Yes sir, we were able to introduce 25 conversations or -- taught to us by the psychiatrist.</p> | <p>1 A. Yes. 2 Q. Were you able to do anything during that time? 3 A. I took a degree in physics to pass the time, 4 sir. 5 Q. Where did you earn your degree? 6 A. University of Exeter. 7 Q. How did you -- how did you do that when 8 you were in hospital? 9 A. Well, I wasn't in the hospital all day every 10 day. I was in initially for however long the operation 11 took, I don't know, and then I went back for 12 hydrotherapy. I learnt to walk, I made them pull 13 the plug out so I took more and more body weight. 14 I was in hydrotherapy for years, but ... 15 Q. Did you say that was Exeter College? 16 A. Exeter University. 17 Q. Exeter University. Is that in London? 18 A. Oh no, Exeter, no, it's down in 19 the West Country. 20 Q. And was your degree focused in any specific 21 area of physics? 22 A. Yes sir, I looked at -- my main topic was 23 nuclear and atomic physics, although I'm qualified to 24 teach up to -- because I did another degree after that. 25 I'm qualified to teach practical and theoretical, or</p> |

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| <p>1 experimental and theoretical physics up to and 2 including degree level, but my main focus for my final 3 year, I looked at, just out of pure interest, 4 the absorption -- I wanted to see the boundary where 5 microwaves meet the infrared, I wanted to see if 6 the infrared and the microwave boundary reacted with 7 cells the same way, or whether microwaves, as you get 8 to the end of microwaves, whether the reaction with 9 the cell tails off.</p> <p>10 Q. So, on the spectrum you looked at the boundary 11 between -- 12 A. Microwaves and infrared.</p> <p>13 Q. What is nuclear and atomic physics? 14 A. Studying the -- basically the processes of 15 quantum mechanics.</p> <p>16 Q. What year did you earn your degree? 17 A. 1984. The first one, 1984, then I went on and 18 did a further research degree --</p> <p>19 Q. What was that in? 20 A. -- with honours. I looked into environmental 21 aspects of how it affects children. That would have 22 been 1984/5, probably 1987, 1988.</p> <p>23 Q. Was that also at Exeter University? 24 A. No sir, no. That was with the -- 25 the Council for National Academic Awards.</p> | <p>1 all of your criteria, why won't you let me do a PhD?" 2 And he said -- and I'll never forget these words -- 3 he said, "Your work is too political", and that was it.</p> <p>4 Q. When was that, that you were applying to start 5 a PhD program? 6 A. This -- I tried eight universities over quite 7 a few years up until, I suppose the one with 8 Jamie Harle would have been -- just a few years ago, 9 that would have been.</p> <p>10 Q. Okay, so did you start as early as 1988? 11 A. Oh no. No, this would have been probably from 12 about 1995 onwards.</p> <p>13 Q. And the last place you applied for a PhD, that 14 was at Open University? 15 A. Open University, probably about 1995, 16 Dr. Jamie Harle. He had just taken over the medical 17 physics department.</p> <p>18 Q. Was that like the Council for National Academic 19 Awards? 20 A. Yes sir, but the Open University is bigger.</p> <p>21 Q. In 1988, when you're -- the second degree that 22 you earned. 23 A. Yes, sir.</p> <p>24 Q. Was that a bachelors level degree or was that 25 a --</p> |
| Page 39 | Page 41 |
| <p>1 Q. What is the Council for National Academic 2 Awards? 3 A. It's a bit like the Open University. If you're 4 working, they run courses in the evenings for working 5 people.</p> <p>6 Q. And what was your second degree in? 7 A. It was a research degree in -- I looked at 8 environmental influences on childhood learning.</p> <p>9 Q. Any aspect of that? 10 A. I covered all aspects from family problems, 11 pollution, microwave pollution, although I wasn't 12 allowed to actually introduce the microwave pollution. 13 The university wouldn't allow me to do that.</p> <p>14 Q. Why not? 15 A. I -- I asked my professor, I said, you know: 16 I want to look at the microwave -- the effects of 17 microwaves on learning, and he said: the university 18 won't allow it, which I've been told eight different 19 times now by different universities when I applied to 20 do a PhD. I applied to eight universities to do a PhD. 21 They all turned me down and the final one, 22 the Open University, who supposedly take anybody if you 23 are well qualified, they refused to allow me to do 24 a PhD, and it was a Dr. Jamie Harle, and I rang him up 25 and I said, "I'm qualified, I have a sponsor, I meet</p> | <p>1 A. It was a bachelor of education with honours, 2 because I'm -- basically I'm a lecturer.</p> <p>3 Q. Back in 1988, what types of microwave pollution 4 was there? 5 A. Quite a lot, actually, mostly from 6 the emergence of new radars, weather radar and 7 the illnesses we were getting from military bases. 8 Government buildings were using microwave speakers, 9 microwave walkie talkies. The military were using 10 microwave walkie talkies.</p> <p>11 Q. Okay. Now, from the time that you earned your 12 first degree in 1984 -- 13 A. Yes.</p> <p>14 Q. -- until you earned your second degree, were 15 you doing anything else besides working on the degree? 16 Were you working at the time? 17 A. No sir, I was learning to walk again.</p> <p>18 Q. Okay. So full-time between rehabilitation and 19 then earning your degree in education. 20 A. Yes, sir. Oh, no, I got a job as a teacher.</p> <p>21 Q. And what year was that? 22 A. 1985 I started teaching full-time.</p> <p>23 Q. Okay, so you earned your first degree in 1984. 24 A. Yes.</p> <p>25 Q. Then you started teaching in 1985?</p> |

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| <p>1 A. I started -- I went to -- yes, sir, yes.</p> <p>2 Q. And at the time -- while you were teaching,</p> <p>3 then you worked on your second degree as well?</p> <p>4 A. Yes, sir, yes, in the evening, sir.</p> <p>5 Q. Okay, because, yes, you said it was an evening</p> <p>6 course.</p> <p>7 A. An evening course, yes.</p> <p>8 Q. So where did you teach?</p> <p>9 A. I taught at Torquay Community College.</p> <p>10 Q. How do you spell that, the first --</p> <p>11 A. T-O-R-Q-U-A-Y, Torquay.</p> <p>12 Q. That's not the way we pronounce it in</p> <p>13 the United States.</p> <p>14 A. Torquay Community College.</p> <p>15 Q. Okay. Is that in London?</p> <p>16 A. No, that -- that's in Torquay, in Devon, near</p> <p>17 Exeter.</p> <p>18 Q. And what did you teach?</p> <p>19 A. I taught physics, chemistry, mathematics,</p> <p>20 biology.</p> <p>21 Q. And what is a community college in the U.K.?</p> <p>22 A. There are -- that one just took children up to</p> <p>23 16 and after nine years, wherever that takes us to --</p> <p>24 1994, is it -- I went to work at another community</p> <p>25 college, South Dartmoor Community College, which</p> | <p>1 I also taught mathematics up to an advanced level.</p> <p>2 I taught biology up to an advanced level, and chemistry</p> <p>3 at ordinary level.</p> <p>4 Q. So, what level of education did the students</p> <p>5 have when they came to South Dartmoor?</p> <p>6 A. The adults, or --</p> <p>7 Q. The 18-year olds?</p> <p>8 A. Well, they would come in at 11, 11 years old,</p> <p>9 whatever your grade is for 11, and they would leave at</p> <p>10 18 or 19, so we would have them the whole time. But</p> <p>11 I was primarily what we call a sixth form tutor.</p> <p>12 Q. A what?</p> <p>13 A. Well, you have lower school, which is sort of</p> <p>14 11 to 13; then we had what we call the upper school,</p> <p>15 that was 13 to 16; and then we had what we call a sixth</p> <p>16 form, a sixth form tutor, which was 16 to 19. I was</p> <p>17 primarily a sixth form tutor.</p> <p>18 Q. And how long were you at South Dartmoor?</p> <p>19 A. On and off I was part-time. I did do</p> <p>20 full-time, but I was part-time by my request most of</p> <p>21 the time, and I suppose I did nine or ten years at</p> <p>22 South Dartmoor, and I had to leave abruptly. Every job</p> <p>23 I've had, I've had to leave abruptly. I had to leave</p> <p>24 abruptly.</p> <p>25 Q. From South Dartmoor?</p> |
| Page 43 | Page 45 |
| <p>1 explains community colleges a little better. There</p> <p>2 we taught children up to 19 years of age -- well,</p> <p>3 they're actually adults then -- up to 19 years of age</p> <p>4 and I taught the advanced classes. I don't know what</p> <p>5 the equivalent of advanced classes are in</p> <p>6 the United States. This is pre university, when they</p> <p>7 leave you to go straight to university.</p> <p>8 Q. So this would be -- so they would go from like</p> <p>9 South Dartmoor Community College --</p> <p>10 A. Straight to university.</p> <p>11 Q. And then four years at university after that?</p> <p>12 A. Yes, yes. But the community college aspect,</p> <p>13 that would need to be daytime. In the evening it was</p> <p>14 full-time adult education. So, a community college,</p> <p>15 technically, would be for 11 to 99 years. So, you have</p> <p>16 the adults in the evening, the students in the daytime.</p> <p>17 Q. And did you teach daytime and night-time</p> <p>18 classes?</p> <p>19 A. Yes sir, yes. Yes, we would teach nurses who</p> <p>20 wanted to requalify, or people who wanted to go --</p> <p>21 adults that wanted something to get to university on.</p> <p>22 Q. And what did you teach at South Dartmoor</p> <p>23 Community College?</p> <p>24 A. My main focus was advanced physics, which would</p> <p>25 be 18-year olds going to do their physics degree, but</p> | <p>1 A. Yes.</p> <p>2 Q. Why was that?</p> <p>3 A. I'm going to have to be very careful again</p> <p>4 here. There was a -- an old spy case emerged in</p> <p>5 a country where the Prime Minister and some of</p> <p>6 the ministers found that a communications industry was</p> <p>7 bugging them and probably -- maybe microwaving them as</p> <p>8 well, and the person who was called in to look at this,</p> <p>9 or knew most about it, he was found hanged after</p> <p>10 he agreed to take on the task, which was the day before</p> <p>11 his honeymoon, as it happened.</p> <p>12 I was approached by somebody from the embassy to</p> <p>13 ask if I knew any of the work that this chap had been doing,</p> <p>14 because it dated back to my time, and I said: yes, I'm quite</p> <p>15 familiar with possibly a bit of what this chap is doing, and</p> <p>16 they said: would you write a report for us, and I said: with</p> <p>17 pleasure.</p> <p>18 But my deputy principal became a little bit</p> <p>19 worried that if this chap's hanging wasn't a suicide -- and</p> <p>20 the family don't believe it was -- and I was taking up</p> <p>21 the case, I could be next in line, and the deputy principal,</p> <p>22 Kate Garvey, her name, she was actually acting principal at</p> <p>23 the time, she said: look -- we had this conversation and</p> <p>24 I was quite open and I said to her: if they come for me,</p> <p>25 the only time and place where you can guaranty where I will</p> |

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| <p style="text-align: right;">Page 46</p> <p>1 be is your timetable, because if anybody comes for me, I'm 2 in a classroom at this particular time every day teaching. 3 Apart from that, I could be anywhere, walking the dog, 4 anywhere. So this would be -- if they were going to target 5 me it would be somewhere here, and we agreed that if they 6 were to put a bomb under my car or anything like that, 7 the children could get hurt instead of me, and we agreed 8 between us that the risk was too great. I said to Kate, 9 I said: look, I don't like this, I'm very uncomfortable with 10 this, what do you recommend? And she said: I will go to 11 the safety officer of Devon County Council. She contacted 12 the safety officer, he came back about 10:00 at night and 13 said: don't let him into the college tomorrow. She rang me 14 up at 11:00 at night to say: don't come in, not again ever. 15 But I had to, I arranged to go in about 5:00 16 the following morning because I had all of the top students' 17 coursework and exam work that needed laying out for whoever 18 was going to take over, and that was the last time I went 19 in. 20 Q. When you were -- you said when you were at 21 South Dartmoor you were generally part-time? 22 A. Yes, sir. 23 Q. Did you have other activities to fill the rest 24 of your time? 25 A. Gardening, sir.</p> | <p style="text-align: right;">Page 48</p> <p>1 A. Okay, sir, yes. 2 Q. How was it that you came to be engaged to work 3 on this case? 4 A. I received a letter from, sir, yes. 5 Q. Again, I'm not going to ask you about 6 the contents of that letter. 7 Do you have an understanding of what this case is 8 about? 9 A. Yes sir, it's to do with the effects of wi-fi 10 on young children. 11 Q. Do you have a more specific understanding than 12 that? 13 A. Well, I believe that children have been made 14 ill from the wi-fi in the school. 15 Q. Okay, so you understand that my client, 16 the Portland Public Schools District, has put in 17 a wi-fi system? 18 A. Yes, sir. 19 Q. And that that wi-fi system has been in place 20 for a few years now. 21 A. Yes, sir. 22 Q. And it's specifically being challenged at one 23 of the middle schools in the Portland Public Schools? 24 A. Yes, sir. 25 Q. What have you been asked to do in connection</p> |
| <p style="text-align: right;">Page 47</p> <p>1 Q. Okay. So no other professional activities? 2 A. No, sir. Other than doing what I -- by then 3 I was working for the Police Federation and it's not 4 something -- I've never, ever asked to do this: I was 5 approached by the Police Federation initially and then 6 somebody else and somebody else and you and I've never, 7 ever asked to do this. I get asked if I will talk or 8 visit or write, but I was -- I was being asked by 9 people who were becoming ill: can you explain this, and 10 I said: I can give you my version from my training, 11 yes, and it's still going on and I can assure you, sir, 12 under oath, I receive over 100 messages a day, over 13 100 a day. 14 Q. Okay. So if my timetable is right, it would 15 have been about 2003 that you left South Dartmoor? 16 A. Yes, probably, 2003, 2004, yes. 17 Q. And what did you do after that? 18 A. I've been doing this. I work free of charge. 19 I've been doing this and hoping that everybody will 20 leave me alone. 21 Q. It hasn't worked so far, has it? 22 A. No sir, no. I mean, all I want to do, to be 23 honest, is garden, be with my wife and walk my dog. 24 That's all I want to do. 25 Q. Let's talk about this case for a moment.</p> | <p style="text-align: right;">Page 49</p> <p>1 with this case? 2 A. Write whatever I've written for Mr. Abrell, and 3 write a rebuttal for -- is it Professor -- 4 MR. ABRELL: Savitz. 5 THE WITNESS: Yes. 6 MR. ABRELL: S-A-V-I-T-Z. 7 BY MR. CAMPBELL 8 Q. Okay, and so submit a declaration -- 9 A. Yes, sir. 10 Q. -- and a rebuttal report? 11 A. Yes, sir. 12 Q. Now, in putting together your declaration, did 13 you review -- other than the materials that you were 14 aware of, dealing with the issue of microwave and RF 15 radiation on a larger scale, was there anything in 16 particular that you looked at regarding -- 17 A. I used my current knowledge, sir, which 18 I update almost daily. 19 Q. Were you provided with any specific information 20 about the schools? 21 A. I received the readings from the classrooms; 22 yes? 23 MR. ABRELL: Yes. 24 THE WITNESS: Yes. 25 BY MR. CAMPBELL</p> |

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| <p>1 Q. The receiving -- the readings of?</p> <p>2 A. The readings that were taken in the school,</p> <p>3 yes.</p> <p>4 Q. And did you take those into account in your</p> <p>5 declaration?</p> <p>6 A. Well, I -- yes sir, I mean it's -- they're</p> <p>7 actually irrelevant.</p> <p>8 Q. The readings are irrelevant?</p> <p>9 A. Mm.</p> <p>10 Q. Why is that?</p> <p>11 A. Because all microwaves at any level are</p> <p>12 dangerous, so whether you have a low reading or</p> <p>13 a slightly higher reading or one higher than that,</p> <p>14 there is no safe level of microwave irradiation for any</p> <p>15 carbon based cytoplasmic cell. All microwaves will</p> <p>16 react with all cells, so whatever the reading is, it</p> <p>17 just means that you will be ill sooner rather than</p> <p>18 later, later rather than sooner. But as microwaves --</p> <p>19 it's a bit like asking: is tobacco smoke safe? It's</p> <p>20 exactly the same question.</p> <p>21 Q. Have you ever been to Portland, Oregon?</p> <p>22 A. No, sir. I've only ever been to America twice,</p> <p>23 but not that end, no, sir.</p> <p>24 Q. What's your understanding of in the modern</p> <p>25 environment of what sources of microwave or RF</p> | <p>1 are there?</p> <p>2 A. Basically the 1800 MHz and the 900 MHz, but it</p> <p>3 doesn't stop there because they also have satellite</p> <p>4 communication systems and any other top secret system</p> <p>5 that the governments are using. We have satellite</p> <p>6 systems for your missiles on our transmitters.</p> <p>7 Q. And the transmission towers, they operate at</p> <p>8 1800 MHz and 900 MHz.</p> <p>9 A. 900 generally.</p> <p>10 Q. And what are they used for?</p> <p>11 A. Mobile phones. What you call cell phones. But</p> <p>12 they will have wi-fi receivers and transmitters.</p> <p>13 Q. How about television, AM, FM?</p> <p>14 A. They tend to be bigger and more spaced out.</p> <p>15 They're not -- they do -- they do -- we do have them,</p> <p>16 but they tend to be much more spaced out and in less</p> <p>17 populated areas.</p> <p>18 Q. Do they emit microwave?</p> <p>19 A. Oh yes, sir, and studies have been done with</p> <p>20 those frequencies. The -- I think the finest study</p> <p>21 done in recent time was from Dr. Debbie Eckland.</p> <p>22 She looked at the three main towers in this country and</p> <p>23 found a direct link between leukemias, psychological</p> <p>24 damage, physiological damage, cancers at distances</p> <p>25 going out -- the further you were out, the less people</p> |
| Page 51 | Page 53 |
| <p>1 radiation are out there?</p> <p>2 A. There are so -- well, there are so many</p> <p>3 different devices now, aren't there? I mean, you have</p> <p>4 the police/emergency services communications systems.</p> <p>5 They have now three or four different devices that they</p> <p>6 carry around. You have all of the roadside emergency</p> <p>7 services with their frequencies, you have your wi-fis,</p> <p>8 your bluetooths, all the phones, there are, I don't</p> <p>9 know, 20 different types of microwave frequency, plus</p> <p>10 all the secret military ones. Then you have the HAARP</p> <p>11 transmitter, your United States HAARP transmitter.</p> <p>12 Q. What is that?</p> <p>13 A. It's actually 48 transmitters. It's in Alaska,</p> <p>14 Russians hate it, I can tell you now. You have</p> <p>15 48 transmitters sites, HAARP, which, according to</p> <p>16 the CIA, is for studying weather, but it's capable of</p> <p>17 bouncing microwave irradiation off the ionosphere to</p> <p>18 any part of any country in the world. There is another</p> <p>19 one in Cyprus and another one that the Russians have.</p> <p>20 So, microwaves are everywhere: there are many,</p> <p>21 many different types of microwave frequency.</p> <p>22 Q. Do you consider transmission towers within</p> <p>23 the microwave band, or?</p> <p>24 A. Yes, sir.</p> <p>25 Q. And what different kind of transmission towers,</p> | <p>1 suffered and the nearer you were, the more they</p> <p>2 suffered, which was later found by the 14</p> <p>3 epidemiological studies to do with cell towers.</p> <p>4 Q. Have you formed an opinion with respect to this</p> <p>5 case as to the wi-fi at the Portland Public Schools?</p> <p>6 A. I'm very worried, sir. Very worried.</p> <p>7 The reason being that -- and with respect to [AHM], I'm</p> <p>8 worried about her health but I'm more worried about her</p> <p>9 children, and I'm even more worried about her</p> <p>10 grandchildren, if I could explain, sir.</p> <p>11 Q. Absolutely.</p> <p>12 A. Am I allowed to give the gentleman a diagram?</p> <p>13 MR. ABRELL: Absolutely.</p> <p>14 THE WITNESS: I've brought a diagram --</p> <p>15 BY MR. CAMPBELL</p> <p>16 Q. Can I just interrupt you for just a moment.</p> <p>17 A. Yes, sir.</p> <p>18 Q. What exhibit number are we on?</p> <p>19 MR. ABRELL: I think it's like 50, 52, 50.</p> <p>20 THE WITNESS: I don't think it's in an</p> <p>21 exhibit, is it?</p> <p>22 MR. ABRELL: No, no, he's going to give you</p> <p>23 one.</p> <p>24 MR. CAMPBELL: I just wanted to show you</p> <p>25 something and then we can go from there.</p> |

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| <p>1 MR. ABRELL: I didn't bring mine. You can 2 start with 55. We might skip a couple. 3 MR. CAMPBELL: Okay, so you don't remember 4 the last one you used? 5 MR. ABRELL: I think it might be 52. 6 MR. CAMPBELL: Okay, let's mark this one 7 exhibit -- let's call it 55. 8 THE WITNESS: Oh no, you've got it there, 9 there's the drawing on the back. Oh, you've got it. 10 That's it there, that must be it there. 11 I can explain it. 12 (Exhibit 55 marked for identification) 13 MR. CAMPBELL: Hang on, I just want to get 14 everyone caught up here. 15 THE WITNESS: I apologize. 16 MR. CAMPBELL: No problem. 17 MR. ABRELL: You're making both of these one 18 exhibit? 19 BY MR. CAMPBELL 20 Q. Yes, so this will all be part of 55. 21 Here, Mr. Trower, this is exhibit 55. Have you 22 seen this exhibit before? Take your time to take a look at 23 it. 24 A. This is my amended declaration, is it? Yes. 25 Q. And it also has attached to it what's marked as</p> | <p>1 and her daughter and her daughter. 2 So, we're not just looking at the children at that 3 school; we are actually looking at all future generations 4 where DNA damage can come out. But it gets more -- to me 5 more frightening than that, sir, because if, as I have 6 taught, it is legal in this country -- I don't know what it 7 is in the United States -- it is legal for -- unless I'm 8 going to be stopped here -- it's legal for a 16-year old 9 girl to have sexual intercourse, and it is legal for her to 10 be pregnant. I have taught pregnant children. You may also 11 have a teacher in the school who is pregnant. 12 Now, for the first -- certainly the first 46 up to 13 100 days of pregnancy, when the lady teacher or the student 14 may not know they're pregnant, at the beginning of 15 the pregnancy, the eggs are being made inside the embryo -- 16 because they are born with all of their 400,000 eggs. Now, 17 what they do not have, they do not have what's known as 18 protein 53, which is designed to try and repair the body for 19 any genetic damage, or any radiation damage. They do not 20 have a nuclear core complex, which is developed. They also 21 have developed special cells in the ganglion of the side of 22 the eyes which will absorb radiation and direct it into 23 the body, and the full extent of that isn't known yet. 24 What I'm trying to say is that for the first 25 100 days of a pregnancy, there is no defense in the embryo.</p> |
| Page 55 | Page 57 |
| <p>1 "Declaration of Barrie Trower addendum A"; do you see 2 that? 3 A. That's this one. 4 Q. Yes, so you referenced a -- I think I had asked 5 you about your opinion and you said you were worried 6 about wi-fi in Portland Public Schools, you were 7 worried about AHM, her children, and especially -- 8 A. Her grandchildren. 9 Q. Her grandchildren. 10 A. Yes sir. 11 Q. Now, with exhibit 55 in front of you and 12 addendum A to that exhibit, can you explain what you 13 mean? 14 A. Yes, sir. It's known that the ovarian eggs in 15 young girls, the DNA in the ovarian eggs, they can 16 absorb ten times more, or react more, to microwave 17 irradiation, the DNA, than other parts of DNA in 18 the body because of the nitrosative and oxidative 19 stress. 20 That could cause DNA damage, and if you have DNA 21 damage where you irradiate a child, then that particular 22 child, when she has a baby, if that baby is a girl the DNA 23 damage is irreparable from the mitochondrial DNA. So, if 24 she has a girl, that girl will carry that genetic fault, and 25 if she has a daughter, that will carry the genetic faults</p> | <p>1 We have defense mechanisms, protein 53, nuclear core 2 complex. We have defense mechanisms, but the child, 3 the embryo, doesn't, and if you are sitting in front of 4 a wi-fi which is beaming through, then you could have 5 potentially quite a serious medical -- detrimental and 6 medical effect on the unborn child, and this has been borne 7 out with farmers and in laboratories -- which is something 8 I disagree with -- but it has been known that an excessive 9 amount of miscarriage or genetic damage has been recorded 10 from species that do not take 20 years per generation -- 11 mammalian species that do not take 20 years per generation 12 that have been exposed to microwaves. 13 So, my fear is that with the Portland public 14 school girls, the main part of the damage may not actually 15 show itself until 20, 25 years' time. 16 Q. Okay, so apart from damage to DNA which will -- 17 A. DNA damage in the mitochondrial DNA and damage 18 to the embryo, or fetus. The reason, sir, is apart 19 from the fact the eggs are forming, there are around 20 400,000 eggs forming at the time, the body is inside 21 out: the organs on the inside are actually on 22 the outside, and so you have the inside of the body on 23 the outside being microwaved up to, what, five hours 24 a day in a school, and then around the 100th day 25 the body inverts itself.</p> |

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| <p>1 So, you have everything that you don't want.</p> <p>2 There are 4050 different structures in the embryo, some</p> <p>3 appear later in adults, like sweat glands that they don't</p> <p>4 have -- there are 4050 structures that could potentially be</p> <p>5 damaged in an embryo or a fetus at a time when the lady may</p> <p>6 not even know she's pregnant.</p> <p>7 Q. Okay, so beyond -- so there's DNA and embryonic</p> <p>8 damage.</p> <p>9 A. Yes, sir. Possible.</p> <p>10 Q. Possible?</p> <p>11 A. Yes, sir.</p> <p>12 Q. Okay, are there any other -- is it your opinion</p> <p>13 that wi-fi in the Portland public schools causes any</p> <p>14 other damage?</p> <p>15 A. Yes, sir.</p> <p>16 Q. And what is that?</p> <p>17 A. It will affect the P300 components of</p> <p>18 the brain.</p> <p>19 Q. Can you explain --</p> <p>20 A. That has been published very recently.</p> <p>21 Q. How does it harm the P300 component of</p> <p>22 the brain?</p> <p>23 A. It's -- it affects the thinking processes, sir,</p> <p>24 the reaction of the body to make decisions and think.</p> <p>25 Q. And that's the Papageorgiou study?</p> | <p>1 about?</p> <p>2 A. Yes, sir.</p> <p>3 Q. What are those?</p> <p>4 A. I believe it's four. The first is -- and there</p> <p>5 are a few papers on this now -- the blood brain</p> <p>6 barrier, both either in a fetus or in a child, and this</p> <p>7 is -- either Professor Lund, I think it was, at</p> <p>8 Kund University, or it was Professor Kund at</p> <p>9 Lund University, one of the -- yes.</p> <p>10 The blood brain barrier, in fact you don't just</p> <p>11 have a blood brain barrier around the brain; you have it</p> <p>12 around some other organs in the body as well. Shall</p> <p>13 I explain it, sir?</p> <p>14 Q. Well, first I wanted just to get a cataloging</p> <p>15 of the --</p> <p>16 A. Oh, the blood brain barrier?</p> <p>17 Q. Well, the harms you see stemming from wi-fi --</p> <p>18 A. Yes, sir.</p> <p>19 Q. -- and then we can go through and talk about</p> <p>20 them in detail.</p> <p>21 A. Yes. The blood brain barrier. The damage to</p> <p>22 a developing immune system, damage to the protein</p> <p>23 synthesis of the myelin sheath, and damage to the stem</p> <p>24 cells in the bones. Those would be my main ones.</p> <p>25 Q. Stem cells in --</p> |
| Page 59 | Page 61 |
| <p>1 A. Yes, sir.</p> <p>2 Q. And the Papageorgiou study showed that there</p> <p>3 was an adverse impact of microwave radiation on</p> <p>4 the P300 component --</p> <p>5 A. Yes, sir.</p> <p>6 Q. -- for men.</p> <p>7 A. And for girls.</p> <p>8 Q. And for women they actually did better?</p> <p>9 A. Women -- women were not as affected as men.</p> <p>10 Q. But according to the Papageorgiou study,</p> <p>11 the women actually, after RF exposure, did better in</p> <p>12 terms of the P300.</p> <p>13 A. But that's not a good thing, sir.</p> <p>14 Q. Why is that?</p> <p>15 A. You're stimulating the brain. The brain is</p> <p>16 working at a level it's not designed to work at.</p> <p>17 I mean, if you were to stimulate my heart, some people</p> <p>18 may say that's a good thing, but it wouldn't be for me.</p> <p>19 Q. Do you know what the study size was for</p> <p>20 the Papageorgiou study?</p> <p>21 A. Not under these conditions without the paper in</p> <p>22 front of me, sir.</p> <p>23 Q. Alright. Any other effects from wi-fi?</p> <p>24 A. There are four main ones that concern me, sir.</p> <p>25 Q. Four in addition to the ones we've talked</p> | <p>1 A. In the -- in the long bones.</p> <p>2 Q. Okay, any others?</p> <p>3 A. Apart from the -- apart from whatever pulse</p> <p>4 frequency they are using, which could also affect</p> <p>5 the behavior or thinking processes of the child, but</p> <p>6 the industry keep their pulse frequencies fairly</p> <p>7 secret, the pulse modulation frequencies, which would</p> <p>8 affect the -- either the cyclotronic resonance</p> <p>9 frequency of the sodium, chlorine, calcium and</p> <p>10 potassium in the brain, or the cicadian rhythm of the</p> <p>11 eyes or the brain.</p> <p>12 Q. Do you know what the pulse frequency is for</p> <p>13 the wi-fi?</p> <p>14 A. No, sir, no. No, they're very secretive. In</p> <p>15 fact, most manufacturers are very secretive.</p> <p>16 Q. Oh, by the way, before I put away exhibit 55</p> <p>17 for the time being, this diagram in addendum A, was</p> <p>18 this something you prepared?</p> <p>19 A. Yes, sir.</p> <p>20 Q. Okay. Now, you do have the body of exhibit 55</p> <p>21 in front of you?</p> <p>22 A. Yes, sir. Yes.</p> <p>23 Q. Have you performed, personally, any studies of</p> <p>24 the health effects of electromagnetic fields?</p> <p>25 A. In terms of laboratory studies, no, sir. This</p> |

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| <p style="text-align: right;">Page 62</p> <p>1 would have been the object of my PhD, but I seem to be 2 not allowed -- my own university, Exeter, actually 3 banned me from communicating with them. 4 Q. Banned you from communicating with 5 the university? 6 A. Mm. Mm. 7 Q. Is that a "yes"? 8 A. Yes, sir. 9 Q. From any of the researches at the university? 10 A. I'm not allowed to contact the university. So 11 in terms of practical physic experiments, no, I can't 12 get to a laboratory. In terms of theoretical papers, 13 yes, I have written some and presented some. 14 Q. Okay. Would you describe those theoretical 15 papers as studies of the effects of RF, or microwave 16 radiation? 17 A. Oh, absolutely, sir, yes. Yes. 18 Q. Okay, in what sense are they studies? 19 A. I presented a paper to university 20 mathematicians showing how the energy from microwaves 21 can cause damage in cellular processes, and I followed 22 it up -- I had help with this one. I followed it up 23 with -- knowing that the industry themselves, 24 the mobile industry themselves, have done their own 25 epidemiological studies and concluded that low level</p> | <p style="text-align: right;">Page 64</p> <p>1 "theoretical"? 2 A. Theoretical, absolutely, sir. 3 Q. So it's fair to say that you have not done any 4 laboratory or human studies on the effects of -- 5 A. No sir, absolutely none. 6 Q. I need to finish my question first. 7 A. Sorry. 8 Q. It's fair to say that you've done no studies on 9 the -- lab or human studies on the health effects of 10 wi-fi? 11 A. No, sir. 12 Q. And, again, your conclusions in the area are 13 drawn from theory; is that a -- 14 A. My conclusions overall are drawn from published 15 research papers. 16 Q. Okay, so you've looked at the research papers 17 published by others and then drawn conclusions based on 18 those papers? 19 A. Yes, sir. 20 Q. I think I'm about ready to take a short break. 21 We've been going for a while. I appreciate you working 22 without a stop here. 23 A. I'm okay, sir. 24 MR. ABRELL: Do you want to try to get lunch 25 in?</p> |
| <p style="text-align: right;">Page 63</p> <p>1 microwaves can be genotoxic, or affect what they call 2 the cancer initiators and cancer promoters of cells, 3 I took where the industry left off and I wrote 4 an oncology paper which I presented to consultant 5 oncologists in Birmingham -- Birmingham, England -- 6 showing the link from -- from where the industry left 7 off, saying their patent -- showing their research 8 showed that microwaves can promote -- can cause 9 the cancer promoters, cancer initiators. I took it 10 from that stage and ended up with the possibility of 11 cancer. 12 Q. What do you mean you took up where the industry 13 left off? 14 A. Well, the industry said: our products can cause 15 cancer, but they left it short and I wanted to know 16 how, and I went through some of the biological 17 processes as to what happened. 18 Q. Okay, so is it fair to say that you took -- 19 you looked at what the industry had done and then 20 explained it further? 21 A. Yes, sir. 22 Q. Okay, and did you do any more testing or was 23 it -- 24 A. No sir, no. No, I've never done testing. 25 Q. Okay, so that's why you would describe these as</p> | <p style="text-align: right;">Page 65</p> <p>1 MR. CAMPBELL: Why don't we -- let's go off 2 the record. 3 (11:53 a.m.) 4 (Discussion off the record.) 5 (12:35 p.m.) 6 MR. CAMPBELL: Thank you. Mr. Trower, would 7 you please take a look at your declaration again, 8 exhibit 55. I'd like to begin by directing your 9 attention to paragraph 4 of your declaration. 10 A. Yes, sir. Yes, okay. 11 Q. In paragraph 4 you state that you're 12 the scientific adviser to the Radiation Research Trust 13 and the HESE Project. 14 A. Yes, sir. 15 Q. First of all, what is the Radiation Research 16 Trust? 17 A. It's an organization which was run by Dr. Bell, 18 it's now run by Eileen O'Connor, which takes in 19 the views of scientists from all over the world, 20 publishes papers under the title Radiation 21 Research Trust, and the president, now Eileen O'Connor, 22 goes to various countries giving lectures. 23 Q. What topics does Ms. O'Connor lecture on? 24 A. Harm from low level microwave irradiation. It 25 only concentrates on low level radiation.</p> |

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| <p>1 Q. How do you define "low level radiation"? What 2 would be their short -- 3 A. Non-ionizing. 4 Q. Non-ionizing, okay. And what is the purpose of 5 the Trust? 6 A. To put forward an alternative point of view to 7 that from the Health Protection Agency, ICNIRP, 8 government scientists. 9 Q. And is the alternate point of view that 10 the Radiation Research Trust puts forth, is that 11 non-ionizing radiation is harmful? 12 A. Yes, sir. 13 Q. How long have you been a member of 14 the Radiation Research Trust? Or, let me ask you 15 first, are you a member of 16 the Radiation Research Trust? 17 A. I'm one of their scientific advisers. 18 Q. How long have you served as a scientific 19 adviser? 20 A. Probably since it formed. Maybe ten years. 21 Q. Is that your understanding, it's been in effect 22 for about ten years? 23 A. Yes -- you'd have to have a look. I was first 24 invited to give a lecture in Birmingham 12 years ago, 25 one of a series of lectures with a Member of Parliament</p> | <p>1 A. It was. I believe now they go international. 2 I know Eileen O'Connor visits a lot of countries. 3 Q. Who is the head of the Human Ecological Social 4 Environmental Project? 5 A. I don't know, sir. 6 Q. Is it your understanding that their point of 7 view is generally, again, that non-ionizing radiation 8 is harmful to humans? 9 A. Yes, sir. Maybe Andrea Klein. She's the lady 10 that contacts me, Andrea Klein. She may be the head or 11 she may be an executive. She co-wrote a paper with me 12 once, that's how I know her. 13 Q. Please turn to paragraph 11 of your 14 declaration. 15 A. Yes. 16 Q. And in paragraph 11 you're referring to 17 an extensive study of the United States Defense 18 Intelligence Agency. Can you give us some more details 19 on that study? 20 A. Yes, sir. The Defense Intelligence Agency 21 published four papers in 1976 highlighting the known 22 effects of below thermal microwave irradiation, and 23 also the possible long-term effects which hadn't yet 24 been proved, and they asked the nations of the West, 25 the governments of the West, to not be stringent with</p> |
| Page 67 | Page 69 |
| <p>1 and Dr. Bell and Eileen O'Connor, and I think they 2 asked me shortly afterwards to be a scientific adviser. 3 Q. Was Dr. Bell the founder? 4 A. Yes, sir. 5 Q. What is Dr. Bell currently doing? 6 A. He's -- he's still - I think he advises, like 7 a consultant, but he is, dare I say it, slightly aged 8 and doesn't get around much. He works on his farm in 9 Devon. 10 Q. Now, you also referred to the Human Ecological 11 Social Economical Project? 12 A. Yes sir. 13 Q. And can you tell us what that means? 14 A. That is an international environmental 15 organization, I think it's based in Germany, and it 16 does a very similar amount of work to 17 the Radiation Research Trust, only more on 18 an international level and, again, it publishes papers 19 under its own title. 20 Q. Does it deal with other issues apart from 21 non-ionizing radiation? 22 A. It may do, sir, I don't know. I'm only ever 23 asked to read anything to do with radiation. 24 Q. And so the Radiation Research Trust is, 25 essentially, a U.K. foundation?</p> | <p>1 safety levels because it would have a detrimental 2 effect on military function and industrial output. 3 Q. Is that part of the report that the DIA issued? 4 A. Yes sir, yes. Those exact words. 5 Q. Did anything else come of those reports? 6 A. My interpretation of them was I know that they 7 were based on possibly 4,000 or so military research 8 documents, and it seemed to be the culmination of 9 military research, espionage, where they knew then in 10 1976 the dangers, and my interpretation of their 11 wording is that we would only look at the thermal 12 effect; we would not take into account the non thermal 13 effect which would allow industry and governments to 14 have a very lax safety level whereby they could not be 15 taken to court. Whether that's legally correct, 16 I don't know, sir. 17 Q. Okay, and were these papers published anywhere? 18 A. They were never published, sir, they were 19 obtained under the Freedom of Information Act. 20 Q. Let's turn, please, to paragraph 12. 21 A. Okay, yes. 22 Q. And you've got a reference in there about 23 the Russian Embassy microwaving the U.S. Embassy -- 24 A. Yes, sir. 25 Q. -- low level microwaves, you say:</p> |

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| <p>1 "Why and how is outside the scope of this 2 declaration." 3 But I can't help but to ask. So to the extent you 4 can talk about it, what do you know about the nature of 5 the microwaving by the Russian Embassy? 6 A. The -- well, initially -- again we must try and 7 put this into context -- the United States and the USSR 8 were within a heartbeat of total global nuclear war. 9 Half of the world's scientists were busily engaged in 10 warfare topics. The Russian Embassy wanted to 11 eavesdrop on the American Embassy, and the way they 12 decided to eavesdrop was to beam local level microwaves 13 across Moscow, across the square, Moscow Square, onto 14 the windows of the American Embassy. 15 The reflected microwave would be out of phase with 16 the transmitted wave, and when they're out of phase you can 17 decipher the vibration, hence what was being said in 18 the window -- what was being said in the room. Some time 19 after, I think around 18 months after, it was noted that 20 the children that were in the embassy, the secretaries, 21 the lady secretaries and some of the gentlemen, were 22 developing up to about eight different types of cancers for 23 no apparent reason. The Russians said: it is your 24 capitalistic western lifestyle. The American Government 25 became interested and there was a change of staff as -- over</p> | <p>1 A. Yes sir, and in one of his papers, the power 2 was lower than you would get in an ordinary classroom 3 full of microwaves, and it's what raised the hackles on 4 the back of my neck when I read it. He wrote a report 5 showing that -- let's see if I can get my figures 6 right -- 47.7 percent of the women had miscarriages in 7 the first eight weeks of pregnancy at a level lower 8 than you would expect in a class full of wi-fis. 9 Q. How -- what was the size of the population that 10 he looked at? 11 A. In terms of epidemiological study, I wouldn't 12 have thought it would match today's. I'm estimating 13 here it was probably -- I would say between 600 and 14 1000 women. 15 Q. And those women were all living in 16 the U.S. Embassy in Moscow? 17 A. No sir, I think he also studied women on 18 military bases at that time. 19 Q. Who were also exposed to microwave -- 20 A. Exposed to microwaves from the military bases. 21 Q. From Russian espionage? 22 A. Oh no, no, just general military bases. 23 Q. Okay, so did the rage of intensity or power of 24 these microwave radiation vary from base to base? 25 A. It did vary, but it didn't stop it.</p> |
| Page 71 | Page 73 |
| <p>1 the years, and there were, to my knowledge, only three 2 reports written. The first, and I don't know what the legal 3 term is here -- and this is what I was told, not what I can 4 prove. 5 Q. Okay, so hearsay. 6 A. Yes. The first report from 7 the American Government denied that anything was wrong 8 because the government were interested in this new 9 stealth weapon. The second report did not exactly tell 10 the truth because they, presumably, didn't want to 11 alarm anybody, and it was the third report from 12 Professor Goldsmith, who was then -- I think he had 13 19 professorships, and he was a spokesperson for 14 the World Health Organisation and other bodies, 15 he wrote the thorough report and wrote his conclusion 16 that it was the low level microwaves which caused 17 the miscarriages, breast cancers, child leukemias and 18 other illnesses. 19 Q. What was the source of his, 20 Professor Goldsmith's, information? 21 A. He was allowed access to talk to everybody in 22 the United States, and he wrote the paper -- I think 23 his paper was called "The End of the Age of Innocence". 24 Q. So, was it part of his paper that talked about 25 the power, the microwaves used by the Russians?</p> | <p>1 The lowest, I think, was 5 microwatts per centimetre 2 squared, which is, in fact, quite low. 3 Q. Did Dr. Goldsmith write what was the frequency 4 of the radiation? 5 A. He did, but he wrote three papers in all, and 6 at the moment I couldn't tell you what it is, sir. 7 But, I mean, the frequency will be in the microwave 8 range: it must be between 300 MHz and 300 GHz, because 9 he described them as "microwaves". 10 Q. Let's turn to paragraph 15, please. 11 Paragraph 15 references an article by Mr. Grant. 12 A. Yes, sir. 13 Q. What's the nature of that article? 14 A. Microwave sickness. 15 Q. And what's the -- have you read the microwave 16 sickness article? 17 A. Oh yes, sir. 18 Q. What's the content of the article? 19 A. It was first -- microwave sickness was actually 20 first diagnosed in 1932, to my knowledge, which is 21 where his papers -- and the microwave sickness -- it's 22 also documented on the World Health Organisation 23 website as "microwave sickness": it is low level 24 illness from low level microwaves where -- where you 25 tend to not sleep well, you have more colds, longer</p> |

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| <p>1 colds, longer coughs, a general feeling of being down 2 where your body doesn't really function very -- sort of 3 a low level flu.</p> <p>4 Q. And this article that you're referring to was 5 published in Electrical Sensitivity News in 1987?</p> <p>6 A. Yes, sir.</p> <p>7 Q. What is Electrical Sensitivity News?</p> <p>8 A. It's just a journal that publishes articles on 9 people who are sensitive to electromagnetic waves.</p> <p>10 Q. Do you know where that's published?</p> <p>11 A. No, sir.</p> <p>12 Q. In paragraph 16 of your declaration, 13 you referred to Portland Public Schools transmitting at 14 frequencies between 2.4 GHz and 5 GHz.</p> <p>15 A. Yes, sir.</p> <p>16 Q. How did you come to know that information?</p> <p>17 A. I either read it in a document I was sent, or 18 I read it in an article about wi-fi. I couldn't tell 19 you which.</p> <p>20 Q. Is that a different frequency than most wi-fi 21 operates at?</p> <p>22 A. No, I think they both -- they all operate 23 around that area, sir.</p> <p>24 Q. So 2.45 GHz is a standard frequency for wi-fi?</p> <p>25 A. I think it is, yes sir.</p> | <p>1 an activation frequency, like when somebody has a heart 2 attack and their heart stops you can put pads on their 3 chest that will reboot the heart. There seems to be 4 an activation frequency that can reboot, or reboot, 5 dormant yeasts, and it doesn't take a leap of 6 the imagination to realize that if a yeast is 7 rebooted, to use the phrase, if the yeast contains 8 bacterium or viruses, or you can actually reboot 9 a bacterial virus, you can flood a country with dormant 10 bacteria inside yeasts or viruses and reactivate them, 11 causing devastation to that country's, maybe crop.</p> <p>12 For instance, imagine if it were done to 13 the wheatfields of America. It is a way, an experimental 14 way of germ warfare which could bring economic ruin to 15 a country, as well as we still have the microwaves used 16 recently in the case I mentioned that caused me to be 17 dismissed from the college that I gave evidence in.</p> <p>18 Q. Let's turn, please, to exhibit -- paragraph 24. 19 In paragraph 24 you raise the prospect of a cyclogenic 20 response to -- to maybe the erection of a transmitter.</p> <p>21 A. Yes, sir.</p> <p>22 Q. And then you go on to state that:</p> <p>23 "... an argument against this is the many cases 24 where disguised, stealth, or concealed transmitters have 25 been erected without local knowledge and similar illnesses</p> |
| Page 75 | Page 77 |
| <p>1 Q. I'm turning to paragraph 18 of your 2 declaration, the last sentence on the page, it says 3 that:</p> <p>4 "... there still exists an ongoing stealth 5 microwave warfare industry, continuing from the 1950s."</p> <p>6 A. Absolutely, sir.</p> <p>7 Q. Can you explain that?</p> <p>8 A. Yes, sir. The -- the latest -- if we come from 9 leading up to today, it is documented now that the lady 10 demonstrators at Greenham Common, who were 11 demonstrating against the United States missile base in 12 England, were microwaved; that they actually became 13 quite ill. They were all ladies demonstrating outside 14 the missile base and it was recorded -- the microwave 15 irradiation was recorded. Also, it was recorded and 16 brought up by -- I'm -- I'm going to use the words -- 17 maybe an MP, but it may not have been -- it's the Irish 18 equivalent of an MP, who found that we were microwaving 19 Catholics in Northern Ireland during the Troubles, and 20 leading up to present day, microwave technology can be 21 used even in germ warfare.</p> <p>22 Q. How so?</p> <p>23 A. Research has shown that, particularly with 24 yeasts, that there seems to be an activation frequency, 25 and I don't know what that is -- there seems to be</p> | <p>1 still occur."</p> <p>2 Are there any reports or studies that that's based 3 on, or ...?</p> <p>4 A. Oh yes, sir, it was brought up in Parliament. 5 In fact, the industry was accused of lying by a member 6 of Parliament, and that's referenced in Hansard, where 7 I know of -- I can give two examples where there were, 8 I think, 18 leukemia cases in Scotland, Fife. In fact 9 it was the -- I'm trying to think of his -- 10 the defense -- the chap who took over the leadership 11 for the party, a Scottish chap. He invited me up there 12 to give a talk. He took over the Liberal Democrat 13 party, Scottish chap ... Menzies, Menzies Campbell. 14 He invited me up.</p> <p>15 The people in the village complained that they 16 were getting leukemia and when they looked they found that 17 there was a hidden transmitter that they didn't know about, 18 and they called an urgent meeting with their 19 Member of Parliament, that happened to be the leader of one 20 of the opposition parties, and they flew me up to Scotland 21 to give a talk in Fife and they blamed the transmitter, 22 which was one.</p> <p>23 Another one was a circle of residents around 24 a transmitter. The industry -- they became ill. 25 The industry said it was off and wasn't operating, and when</p> |

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| <p>1 it was found to be operating, the Member of Parliament 2 brought it up in Parliament that the industry were actually 3 liars, or lying, because the people had become ill and they 4 were -- the focus of the circle of the people was 5 the transmitter. 6 Q. Where was that? 7 A. That was -- it's in my -- it's in my original 8 Tetra report for the Police Federation of England and 9 Wales, and I can't think of the name of the town. 10 Q. Somewhere in the U.K.? 11 A. Oh, in the U.K., yes, sir. It's in 12 the Midlands. 13 Q. Let's go to paragraph 26, please, and 14 paragraph 26 you reference a conversation with 15 a Dr. Carlo? 16 A. George Carlo, yes sir. 17 Q. And what can you tell us about Dr. Carlo? 18 A. I've only met him the once. I spent two days 19 here in London with him and I listened to him speak 20 when he gave a lecture. And so what he told me there 21 was what he's told me. 22 Q. Okay, so his study was published at 23 health/concerns.org? 24 A. Yes, sir. I was told by him -- well, 25 he actually told everybody as -- we drank in</p> | <p>1 paragraph 30 you refer to the U.S. EPA recommending 2 that electromagnetic radiation be classified as 3 a possible -- I'm sorry, a -- 4 A. "Probable human carcinogen". 5 Q. -- "Probable human carcinogen". 6 A. Yes, sir. 7 Q. How did you become aware of that 8 classification? 9 A. It was published, sir. 10 Q. Do you know if the EPA has changed its 11 classification? 12 A. No sir, I don't believe it has. Nothing has 13 reached me that it has. 14 Q. Do you know the basis on which the EPA reached 15 that classification? 16 A. No, sir. 17 Q. And it's your opinion that, based on the new 18 study since 1990, that there's stronger evidence for 19 the EPA's classification than there was in 1990? 20 A. There is always stronger evidence, sir. 21 I mean, a new paper comes out almost every week. 22 Q. Let's go to paragraph 33, please. 23 A. Yes, sir. 24 Q. That refers to an international study of 25 schools near cell towers?</p> |
| Page 79 | Page 81 |
| <p>1 the evening in the same hotel. He -- his research, 2 he said, concluded that low level or non-ionizing 3 radiation from the mobile industry would cause cancer, 4 and what he said was that he was refused permission to 5 publish and he was either sacked or left and 6 he published the data anyway. 7 Q. He published it on this 8 www.health/concerns.org? 9 A. Presumably so. I don't have a computer and 10 I don't use one. That was the information I've given. 11 I haven't checked it. 12 Q. Did he elaborate at all, other than saying that 13 his results were suppressed by the telecommunications 14 industry? 15 A. He said he was being victimized, sir. 16 Q. Did he explain how? 17 A. I'm getting -- if -- well, he lost his job and 18 I believe he is the person who also had his house burnt 19 down, but -- it may be somebody else, but I believe 20 he had his house burnt down. 21 Q. Did he know it was arson? 22 A. I don't know the legal ins and outs of 23 the case, sir, but that's the information that reached 24 me. But he did say that he was being victimized. 25 Q. Turning, please, to exhibit -- paragraph 30, in</p> | <p>1 A. Yes, sir. 2 Q. What can you tell us about that study? 3 A. Well, it's -- 4 Q. Or is everything contained in this web address 5 that you cite? 6 A. Yes, sir. There were -- it was mostly France 7 and they found that it -- can I just refresh? 8 Q. Yes, please do. 9 A. Yes, I've linked the two together, 33 and 34, 10 actually. When you said 47, I'm thinking: no, there 11 are 200. 12 Between France and Spain, they suddenly noticed 13 that children were becoming sick, teachers were becoming 14 sick, and they linked the sickness to mobile towers either 15 in -- excuse me -- or near school grounds, and they 16 published a paper -- one country published a paper with 17 47 schools; the other country, which was Spain, I believe, 18 published a paper with 138 incidents; and at the same time 19 I was giving the address to the Welsh Assembly at the time 20 and our MPs also were bringing up in Parliament further 21 cases of childhood leukemias, cancers, miscarriages, breast 22 cancers in and around schools, and the total number at 23 the time, when I spoke to the Welsh Assembly, was around 200 24 around schools. I know when I gave my talk in Canada they 25 were still -- we stopped -- people stopped counting then,</p> |

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| <p style="text-align: right;">Page 82</p> <p>1 and then I know when I gave my talk in Canada they were 2 still happening because I -- I referenced a couple. But 3 this was put down to transmitters in or near schools, and in 4 some of the cases -- I do know that in France 5 the magistrates, or the local legal person, ordered the -- 6 some transmitters, I don't know what happened to all of 7 them, to be turned off and dismantled. 8 Q. On paragraph 35, you refer to 9 the Stewart Report; do you see that in your 10 declaration? 11 A. 35. Yes. 12 Q. What is the Stewart Report? 13 A. Sir William Stewart was the government's top 14 scientific officer looking into electromagnetic waves, 15 and because there hadn't been time for proper and 16 complete epidemiological studies, he asked that 17 anecdotal evidence, ie when a transmitter went up in or 18 near a school and there was a sudden cluster of 19 illnesses, that the parents -- or the reaction from 20 the parents be taken seriously, and he subsequently 21 made a recommendation -- which wasn't followed -- but 22 he made a recommendation that the main beam of 23 any transmitter will not fall on children without 24 the full consent -- and I may be legally wrong here, 25 "consent" might not be the right word -- without</p> | <p style="text-align: right;">Page 84</p> <p>1 "... suffice to say, by 2006, it was reported that 2 80 percent of the extant epidemiological studies on the WHO 3 database list symptoms from microwave sickness." 4 A. Yes, sir. 5 Q. Who reported that? 6 A. It was published. The World Health 7 Organization database could be downloaded. 8 Q. So when you say: 9 "It was reported that 80 percent of the studies on 10 the WHO database list the symptoms for microwave sickness" 11 -- 12 A. Yes, sir. 13 Q. -- did you look at the WHO database yourself? 14 A. No sir, it was downloaded and sent to me. 15 I don't have a computer. 16 Q. So, when you say, "It was reported ...", 17 somebody reported that to you? 18 A. Yes, sir. 19 Q. Who was that? 20 A. Oh, I can't say, sir. Probably one of 21 the researchers from one of the organizations. They 22 tend to send me most things. 23 Q. Like Radiation Research Trust or -- 24 A. Yes, them or PC or ... 25 Q. And further on in that paragraph, you refer</p> |
| <p style="text-align: right;">Page 83</p> <p>1 the full consent and cooperation of the parents after 2 discussion. 3 Q. And you say that was a recommendation that 4 he made? 5 A. It was a recommendation. 6 Q. And it was not followed? 7 A. No, sir. 8 Q. Okay, so if I understand that, 9 Sir William Stewart said that because there's not 10 sufficient epidemiological evidence he asked that 11 anecdotal evidence be taken seriously? 12 A. Yes, sir. 13 Q. Taken seriously for what purpose? 14 A. To prevent transmitters going up or near 15 children. 16 Q. And to your knowledge, did that -- after Mr, or 17 Sir William Stewart issued his report, did that -- was 18 there a shift in the way people were responding to 19 proposed cell towers? 20 A. No, sir. The industry challenged every single 21 decision. They brought their barristers in, lawyers in 22 to the planning meetings and in almost every case 23 the barristers won on points of law. 24 Q. If you would please turn to paragraph 41. In 25 paragraph 41 you say:</p> | <p style="text-align: right;">Page 85</p> <p>1 to -- you say you were: 2 "... curious to investigate the remaining 3 20 percent that showed no symptoms. However, this had 4 already been looked at by Swiss scientists --" 5 A. Yes, sir. 6 Q. "-- who said 'the interpretation of the results 7 ... should take sponsorship into account.'" 8 A. Yes, sir. 9 Q. So is it fair to say you have not looked at 10 the 20 percent of epidemiological studies that find no 11 association? 12 A. Well, I didn't need to. A Swiss university, 13 which I referenced -- a Swiss university looked at all 14 research and they found that 80 percent of industrial 15 research came out in favor -- it was the total 16 opposite. They found that 80 percent of industrial 17 research showed no ill effect and only 20 percent did, 18 whereas if it wasn't industrial research, it was 19 80 percent that showed ill effect and 20 percent that 20 didn't. 21 Q. So -- so it's fair -- so you have not looked at 22 the 20 percent that showed no ill effects? 23 A. No sir, the Swiss people did it. 24 Q. And the Swiss scientists that you quote said: 25 "Interpretation of the results should take</p> |

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| <p>1 sponsorship into account."</p> <p>2 A. Yes, sir.</p> <p>3 Q. Do you think that's important: to take</p> <p>4 sponsorship into account?</p> <p>5 A. I do, sir.</p> <p>6 Q. Why is that?</p> <p>7 A. I'm trying to think of a really good ... I'm</p> <p>8 trying to think of a really good example, but I can't</p> <p>9 get one in my brain at the moment.</p> <p>10 I believe that our government has several billion</p> <p>11 a year to use on research. Our universities are doing</p> <p>12 almost anything for every single ounce of cash they can get</p> <p>13 in. I believe that if you are doing research that comes out</p> <p>14 in favor of industry, you are more likely to be favored than</p> <p>15 if you are doing research that is going to embarrass</p> <p>16 the government, maybe cost the government lawsuits, maybe</p> <p>17 cost the government a lot of money.</p> <p>18 Q. Is that something that you studied or is that</p> <p>19 based more on common sense?</p> <p>20 A. Common sense.</p> <p>21 Q. In other words: the government will not want to</p> <p>22 fund research that will hurt industry or</p> <p>23 the government?</p> <p>24 A. No sir, and I can give an example as well, if</p> <p>25 you wish.</p> | <p>1 I think that the government is prepared to take shortcuts in</p> <p>2 order to secure contracts, and this was a very, very</p> <p>3 lucrative contract, which is still going out. They've just</p> <p>4 got a contract to supply sets for the Olympics, and it's</p> <p>5 currently being sold, or has been sold, to 150 countries,</p> <p>6 and I think it is wrong because they never carried out</p> <p>7 a proper safety test. I believe the government is prepared</p> <p>8 to take shortcuts if it suits itself.</p> <p>9 Q. Turning to paragraph 43, you referred to</p> <p>10 a report made to the European Parliament in May of 2011</p> <p>11 that had banned wireless networks and mobile phones</p> <p>12 from schools.</p> <p>13 A. Yes, sir.</p> <p>14 Q. Did the European Parliament act on that report?</p> <p>15 A. I believe France -- yes, France, one --</p> <p>16 a district in France has started -- they've allowed</p> <p>17 I think it's 124 million euros, and I can't remember</p> <p>18 the name of the district because I can't speak French,</p> <p>19 124 million euros to take wi-fi out of schools.</p> <p>20 They've also taken it out of the main central library</p> <p>21 used by students on health grounds. There are other</p> <p>22 reports of wi-fi coming out, but I can't remember</p> <p>23 which -- which countries. But I know France started</p> <p>24 taking wi-fi out of schools at a cost of 124 million</p> <p>25 euros, so that they have started acting on it.</p> |
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| <p>1 Q. Sure.</p> <p>2 A. And I have documented this in my report for</p> <p>3 the police. Now, I'm a university-qualified</p> <p>4 experimental physicist, and if you said to me: carry</p> <p>5 out an experiment that would show whether the police</p> <p>6 communications system, which is really not much</p> <p>7 different to the ordinary mobile phone, was safe,</p> <p>8 I would say: no problem, it will take me about</p> <p>9 ten years, I would follow roughly the same course of</p> <p>10 action that a drug company would follow if they were</p> <p>11 testing a brand new medicine: laboratory experiments,</p> <p>12 cells and things, and within ten years I would probably</p> <p>13 have something to write up.</p> <p>14 Now, one of the experiments -- two of</p> <p>15 the experiments from our government scientists at</p> <p>16 Porton Down was on this system: one was to show the effects</p> <p>17 on the brain, one was to show the effects on the heart, and</p> <p>18 I referenced the paper and the page. The experiment on</p> <p>19 the brain was completed in 10 minutes, the one on the heart</p> <p>20 was completed in 20 minutes, or thereabouts. In fact, both</p> <p>21 of them were completed within the hour. Nobody got that</p> <p>22 information. The only information they got was that</p> <p>23 the country's top scientists had tested the system and found</p> <p>24 it to be safe.</p> <p>25 Now, I think that is wrong and I've ref- -- and</p> | <p>1 Q. Okay, so that was a French department or ...?</p> <p>2 A. Well, when I say a French district, I think</p> <p>3 it's what we would call a city.</p> <p>4 Q. Okay. So -- but my question was, did</p> <p>5 the European -- your paragraph refers to a report made</p> <p>6 to the European Parliament as a whole --</p> <p>7 A. Yes, sir.</p> <p>8 Q. -- and the way I interpreted the paragraph, and</p> <p>9 maybe I'm incorrect, is that the request was made that</p> <p>10 the entire European Union --</p> <p>11 A. Yes, sir.</p> <p>12 Q. -- remove cell phones and wi-fi from schools?</p> <p>13 A. Yes, sir.</p> <p>14 Q. Is that -- is that a correct statement?</p> <p>15 A. Yes sir, it's a recommendation.</p> <p>16 Q. Okay, and has the European Parliament acted on</p> <p>17 that recommendation?</p> <p>18 A. Other than recommend, no, you can't order</p> <p>19 countries to take it out.</p> <p>20 Q. Have they adopted that recommendation?</p> <p>21 A. Well, I believe some countries have, starting</p> <p>22 in France, but others haven't.</p> <p>23 Q. Okay, so did the European Parliament take any</p> <p>24 action at all?</p> <p>25 A. Oh no, sir, I don't think it has the power to.</p> |

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| <p>1 Legally I don't think it can. I mean, here, we're 2 putting it in as fast as we can. 3 Q. Putting in wi-fi as fast -- 4 A. Yes, sir. 5 Q. Is that throughout the U.K.? 6 A. Yes, sir. 7 Q. Mr. Trower, please turn to paragraph 61. 8 Paragraph 61 refers to the "Freiburger Appeal"? 9 A. Freiburger, yes sir. 10 Q. What is the Freiburger Appeal? 11 A. It was a group of doctors in Germany who 12 realized that they were having a lot of patients 13 turning up complaining of what can be described as 14 microwave sickness at varying levels, and they started 15 an appeal that I believe has been signed by, I mean, 16 30,000, something like that. It's a colossal amount of 17 doctors now, and consultants, worldwide, where they 18 asked the government to put restrictions on 19 the industry for the exposure of children and adults to 20 low level microwave irradiation. It was the first 21 big -- the first big appeal, the Freiburger Appeal. 22 Q. So they asked the German Government to put 23 limits on the industry? 24 A. Yes, sir. 25 Q. Have they gone beyond Germany, or is it just</p> | <p>1 Q. Please take a look at paragraph 73. In 73 2 you say you believe the most important evidence you 3 have read is from Dr. Goldsworthy. 4 A. Yes. 5 Q. That was the Dr. Goldsworthy who -- 6 A. He's coming tomorrow -- 7 Q. -- is coming tomorrow -- 8 A. Yes, sir. 9 Q. -- who I thought was going to be here today. 10 And who is Dr. Goldsworthy? 11 A. He is a -- or was, he may still, a lecturer at 12 Imperial College, here in London. 13 Q. What is it that Dr. Goldsworthy has done that 14 makes his research the most important that you've read? 15 A. He seems to understand in great depth 16 the effect of microwave irradiation on cells. 17 Q. And how do you make that judgment? 18 A. Well, I've read his lectures. He has lectured 19 overseas and he's written papers here, and I've read 20 them and I think they're good. 21 Q. And you're referring specifically in this 22 paragraph to his researching the biological effects of 23 weak electromagnetic fields? 24 A. Yes, sir. 25 Q. There's a 2007 paper.</p> |
| Page 91 | Page 93 |
| <p>1 German-focused? 2 A. I don't know, sir. 3 Q. Do you know what the German Government has done 4 with that? 5 A. No sir, I have enough trouble keeping my head 6 above water in this country without seeing what goes on 7 abroad. 8 Q. In paragraph 70 of your declaration, you refer 9 to a study carried out on children using an ordinary 10 microwave transmitter, a cell phone, and the study 11 found that after two minutes of use -- 12 A. Yes sir, that's right. 13 Q. -- the children have natural brainwaves 14 disrupted for up to two hours? 15 A. Yes sir, that was published in The Lancet. 16 Q. I'm sorry, published where? 17 A. In The Lancet; it's a doctor's paper. 18 Q. Do you know when it was published? 19 A. No, sir. I think it was written by 20 Professor Gerald Hyland, unless I'm mistaken. It was 21 followed by a television program, Panorama. But, yes, 22 it was published in The Lancet. Followed by 23 a television -- we have a documentary series, Panorama, 24 and they found that a short term on a mobile phone 25 accelerated the brain activity of children.</p> | <p>1 A. Yes, sir. 2 Q. What was -- did that paper -- was that 3 a research that he was reporting on? Let me -- what 4 was the nature of the paper? 5 A. It was explaining -- explaining how weak 6 microwave fields can affect the biological structure of 7 living cells. Whether he based it on his research, 8 I don't know, but he wrote the paper. He was trying to 9 explain what exactly was going on in the cell. 10 Q. Okay, so it wasn't just reporting the results 11 of a specific research project? 12 A. No sir, no. No. 13 Q. Again, do you feel that Mr. -- or 14 Dr. Goldsworthy's paper was important because of 15 the clarity of his presentation, or was it something 16 else? 17 A. Maybe I'm biased because I'm a teacher as well, 18 but he was a lecturer -- I mean, Imperial College here 19 is very -- regarded in very, very high esteem. It is 20 sort of the Oxford or Cambridge of London, and I think 21 to be a lecturer there, you have to be particularly 22 bright and clever, and when I read his work he writes 23 it like a teacher explaining to somebody exactly what 24 is happening, like I try to when I'm writing a paper. 25 I try to -- unless it's a mathematical paper, I try to</p> |

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| <p>1 imagine an 11-year old reading it, and if I think 2 an 11-year old would understand it, then I'm doing 3 my teaching bit for people to understand it. He writes 4 at a level that a teacher would write, aiming at 5 everybody to understand most of what he's writing. 6 It's very easy to read, but very complex. I could 7 admire the teaching he does.</p> <p>8 Q. Is there anything else about it that you -- 9 that made it particularly important to you?</p> <p>10 A. He filled in -- he filled in some of 11 the processes that made it, I think, a little better, 12 or a little easier to understand.</p> <p>13 Q. The processes of the way the -- cellular 14 response?</p> <p>15 A. Yes sir, mainly the cryptochromes and 16 the absorption of water -- the absorption of energy 17 into water.</p> <p>18 Q. Please turn to paragraph 76. Paragraph 76 19 comes under the heading "Electrohypersensitivity".</p> <p>20 A. Yes, sir.</p> <p>21 Q. Now, what is electrohypersensitivity?</p> <p>22 A. I suppose it's easily or best described as 23 a food --- like a food allergy, only with microwave 24 irradiation, whereby you can become sensitive -- it's 25 been found that people who work with electrically</p> | <p>1 and I've misread it, then I am mistaken and I've 2 misread it, but I would have said 3 the World Health Organization recognized 4 electrohypersensitivity.</p> <p>5 Q. Do you know if in the United States whether 6 "electrohypersensitivity" is an accepted medical 7 diagnosis?</p> <p>8 A. I wouldn't know, sir.</p> <p>9 Q. How about in the U.K.?</p> <p>10 A. No sir, it isn't.</p> <p>11 Q. Turning to paragraph 83 of your declaration, 12 you refer to the wi-fi -- wi-fi in classrooms and you 13 state that:</p> <p>14 "An average wi-fi transmitter operates at 0.2 [is 15 that 'joules'? Which is] 0.2 watts power."</p> <p>16 A. Yes, 0.2 joules per second, or watts, yes.</p> <p>17 Q. What do you mean by the transmitter; is that 18 the --</p> <p>19 A. The power coming out, the energy.</p> <p>20 Q. The energy coming from the laptop or the energy 21 coming from the router that's --</p> <p>22 A. No, from the -- from the laptop, the energy 23 coming from the laptop into the student.</p> <p>24 Q. Okay, and so that laptop would operate -- would 25 generate power whether or not it's plugged into a cable</p> |
| Page 95 | Page 97 |
| <p>1 generating waves in hospitals can become sensitive to 2 electromagnetic waves, but generally it's people who 3 are very, very susceptible to electromagnetic radiation 4 in the microwave field. It has an almost instant 5 effect on them. I try to think of it as like a food 6 allergy.</p> <p>7 I'm losing my concentration, sorry.</p> <p>8 Q. Now, in your declaration you state that 9 the World Health Organization recognizes and describes 10 electrohypersensitivity -- I'm taking a look at 11 a declaration that Dr. Magda Havas --</p> <p>12 A. Havas, yes.</p> <p>13 Q. -- submitted, and one of the addenda that 14 she submitted to her declaration had a statement 15 from May of 2011. It states that:</p> <p>16 "We need to include these illnesses, multiple 17 chemical sensitivity and electrohypersensitivity in 18 the World Health Organization international classification 19 of diseases."</p> <p>20 If I'm not mistaken, Ms. Havas said that it was 21 her belief that electrohypersensitivity is not contained in 22 the World Health Organization classification of diseases; is 23 that not consistent with your understanding?</p> <p>24 A. I read that the World Health Organization 25 recognized electrohypersensitivity. If I am mistaken</p> | <p>1 system or wi-fi?</p> <p>2 A. No sir, this would be the power -- the energy 3 of the wave coming out, going to the router.</p> <p>4 Q. Okay, so it's the energy from the -- 5 the electromagnetic field energy coming from the router 6 to the receiver, which is the laptop?</p> <p>7 A. Or the laptop to the router.</p> <p>8 Q. Okay, so transmitting one way or the other.</p> <p>9 A. Yes, sir.</p> <p>10 Q. How did you come up with this figure of 11 0.2 watts?</p> <p>12 A. Well, it's published, it's published in wi-fi 13 data. Most wi-fis are around 0.2 of a watt.</p> <p>14 Q. Did you look at the readings that Mr. Morgan 15 took from the Portland Public Schools?</p> <p>16 A. Yes sir, yes.</p> <p>17 Q. And was that consistent with what his readings 18 were?</p> <p>19 A. I honestly cannot remember, sir.</p> <p>20 Yes, it was. I can remember. Yes, it was, 21 because I had it when I did the calculations.</p> <p>22 Q. Wasn't it actually 0.2 microwatts that 23 Mr. Morgan has as the maximum rating, 0.2 milliwatts 24 rather than 0.2 watts?</p> <p>25 A. No. I'm confused now, sir.</p> |

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| <p>1 Q. At any rate, this is not -- this 0.2 joules per 2 second or 0.2 watts, that was something that you -- 3 you're looking at an industry average, not -- not 4 specifically -- 5 A. Oh, I was -- I was just doing a classroom with 6 all of the wi-fis, I was just trying to compare it with 7 a microwave oven, and the result I had there was -- 8 I mean, there are obviously things I haven't -- and 9 I've listed them -- taken into account there, but I was 10 just trying to demonstrate that it could be argued that 11 you would never put a child into a microwave oven, but 12 you would be prepared to put a child in a classroom 13 that received the equivalent amount of -- whatever 14 the equivalents there I wrote, although there would 15 obviously be errors and ... 16 Q. And other differences. 17 A. And other differences, yes sir. It's like 18 sunbathing, you know, you can sunbathe on a cloudy day 19 and still get as burnt as sunbathing on a very, very 20 sunny day. We absorb it all and it is accumulative. 21 It's just a matter of -- sorry. It's just a matter of 22 over how long. 23 Q. Okay. I guess just so I'm clear, 24 the 0.2 joules per second or 0.2 watts figure -- 25 A. Yes.</p> | <p>1 the children, or the parents, to take the most powerful 2 industry on the planet to court to demonstrate that it 3 is dangerous. 4 Now, to try and demonstrate that something is 5 dangerous as an ordinary person, you have to hire legal 6 teams, scientists, court time. In this country, I don't 7 know what the court costs are, a hundred thousand pounds 8 a day. If the industry do not have to do a safety check and 9 they can put this out and say: you say to us, or you prove 10 that this is dangerous, they can just sit back and wait 11 because if the parents or the children come back and say: 12 look, we have, as I said, 200 schools with cancer clusters, 13 they can say: no it isn't, have you tested this? Have you 14 looked at the clouds? Have you drunk the water? Go away, 15 come back in another ten years. It can't be done. 16 In science, if I can explain, the level of proof, 17 if you took out a gun now and shot me, there would be no 18 doubt, with everybody here witnessing in court, that 19 you were responsible for my death. If, on the other hand, 20 your defense counsel wanted absolute scientific proof that 21 your bullet killed me, they wouldn't be able to do it 22 because I could die -- in the time it takes the bullet to 23 reach me, I could have died from a multiple of things and 24 you would have to try and prove that those multiple of 25 things did not happen before the bullet went into me. There</p> |
| Page 99 | Page 101 |
| <p>1 Q. -- that was an average figure that you looked 2 at from -- based across the industry? 3 A. For ordinary wi-fis, yes. 4 Q. Okay, so not based on the particular data or 5 particular circumstances at the Portland Public 6 Schools? 7 A. There I'm confused. I believe that the actual 8 data they used milliwatt or microwatts. Sorry? 9 I can't -- yes, I've got myself confused. 10 Q. Okay. Then if you would please turn to 11 paragraph 88 under your conclusion section, and as 12 I interpret paragraph 88, you're saying it shouldn't be 13 the case that people have to show that a technology is 14 unsafe; rather it should be incumbent upon the industry 15 to show that a product is safe. 16 A. Absolutely, sir. Absolutely. 17 Q. Then the final sentence of that paragraph, 18 you say: 19 "... take this industry to court with the list of 20 impairments, illnesses, cancers, leukemias, early deaths, 21 etc." 22 What do you mean by that? 23 A. The industry does not have to prove that this 24 item is safe. In fact, wi-fi has never, ever run 25 through a safety test. It is incumbent on</p> | <p>1 isn't enough knowledge to prove -- we don't even know how 2 aspirin works. I take aspirin, so do most of the population 3 of the world, but if you say to somebody: prove how aspirin 4 works, they can't. Of the 100,000 plus protein structures 5 in the body that are affected by microwaves, we only know 6 a few hundred. We probably will not have enough time on 7 this planet in its history to reach scientific proof of 8 anything, and this is what the industry is demanding 9 the ordinary parent, teacher, community do when they take 10 that industry to court and, with respect to you, sir, all 11 your scientists have to do is deny it. But it cannot be 12 done. There is no such thing as scientific proof. We don't 13 have that knowledge. 14 MR. CAMPBELL: Okay, this is probably a good 15 time for a break. 16 (1:53 p.m.) 17 (Break taken.) 18 (2:02 p.m.) 19 MR. CAMPBELL: Mr. Trower, in your 20 declaration and today you've referred to reviewing 21 a large number of studies regarding the health effects 22 of electromagnetic fields. 23 A. Yes, sir. 24 Q. Would you agree that studies can point in 25 different directions?</p> |

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| <p>1 A. Oh, they have to. It would be wrong if they 2 didn't.</p> <p>3 Q. Why would it be wrong?</p> <p>4 A. People are not homogeneous. I can if explain 5 this, if I -- magically, if I could go down the road 6 now and take 10,000 people, the first 10,000 people who 7 went past and I made everybody smoke five cigarettes 8 a day and drink a pint of beer a day, some people would 9 love it and they would ask for more, other people would 10 be indifferent, and some people would be violently ill 11 and some people would die. It's the nature of human 12 nature: if something comes out where everybody shows 13 the same effects, it's most unusual.</p> <p>14 Q. So, to what extent have you taken into account 15 studies that show no adverse effects from 16 electromagnetic fields in drawing your conclusion?</p> <p>17 A. You will have some. You will have some that 18 show no effect. What they lack -- when I -- I read 19 these studies carefully because I'm usually asked to 20 comment on them. What they tend to not look at is -- 21 and you may want me to explain this further -- is 22 electrically induced face transition, resonance, 23 cyclotron and circadian resonance, and rectification. 24 They usually haven't looked at those, because it 25 would -- it's an incredibly specialized field with</p> | <p>1 the elderly and the sick, followed by healthy young males. 2 There is an order -- a pattern here.</p> <p>3 So, the process that affects all living cells, and 4 we're talking even trees -- I mean, a tree -- any tree cell 5 can read our DNA system, any tree can read our DNA system 6 they all work the same at that nuclear type level. So, when 7 you affect any living cell, it's like your house being 8 affected, either by sewerage not going out or energy not 9 coming in, and the effect may take years and years and 10 years, but it will be there and it will be different to 11 everybody and some people may never be affected, whereas 12 others will always be affected, and this is what we have.</p> <p>13 Q. Okay, so the studies that you have reviewed, 14 have they mostly been cellular studies?</p> <p>15 A. Not at the atomic and nuclear level that I'm 16 referring to, which is what Dr. Goldsworthy is actually 17 good at describing. They're looking at things -- for 18 instance, you can look at studies, a famous one from 19 the industry, or the industry studies tend to always 20 focus on brain tumours, whereas the latency period of 21 brain tumours, the gliomas, they can take 20, 30 years 22 to develop, but what they're not looking at is 23 the cellular level of the stem cells in the bone, 24 the cellular level of the white blood cells in 25 the immune system. They don't look at those, they look</p> |
| Page 103 | Page 105 |
| <p>1 incredibly specialized scientists that know what they're 2 looking for, and if I can give two explanations, one -- 3 without insulting anybody's intelligence, one simple 4 one and one complicated one.</p> <p>5 We're looking at, for the complicated bit, 6 a change -- and this always happens -- a change in cell 7 potential, there's a follow on. Signal transduction, cell 8 cycle timing, interference to the adenosine triphosphate 9 double bond at the mitochondrial deoxyribonucleic acid site 10 where the transference is via the heat shock proteins which 11 act as chaperones in cells. That's the complicated version.</p> <p>12 The easy version is, if you imagine the house that 13 you live in, essential things come in: air comes in, food 14 comes in, energy comes in for heating and poisons have to 15 leave. Carbon dioxide, human waste, food garbage leaves. 16 Now, when you have a slight interruption to your house, 17 there's a power cut, maybe the water is cut off, maybe 18 the heating doesn't work for a little while, you will get 19 over it and people will survive, but when it goes on and on 20 and on, various people will start to suffer, and this is 21 the same with electromagnetic waves: various people will 22 soon start to suffer, and it has been documented in many 23 reports. It is always children first with pregnant ladies; 24 followed by ladies because of the disruption to vital 25 hormone systems that males don't have; then, generally,</p> | <p>1 at some bigger picture, and when you read the papers 2 that say: there is no effect, they haven't actually 3 looked at everything that could cause that effect.</p> <p>4 Q. So, if I could break the studies into three 5 groups, on the one hand you would have studies at 6 the cellular level.</p> <p>7 A. Yes, sir.</p> <p>8 Q. And then there'd be in vivo animal and human 9 studies.</p> <p>10 A. Yes, sir, yes.</p> <p>11 Q. And then epidemiological studies.</p> <p>12 A. Yes, sir.</p> <p>13 Q. So, as I understood earlier, you've not focused 14 much on the epidemiology, but more -- you've looked 15 more at the cellular studies?</p> <p>16 A. No, I read them all, sir. I read them all. 17 I think there are 42 epidemiological studies, to 18 my knowledge. Maybe some are looking at cancers in 19 a smaller community. Whether it classifies as 20 an epidemiological study, I don't know, but, no, I try 21 to read all of them because I'm usually asked to go and 22 talk on all of them.</p> <p>23 Q. Okay, I thought you'd testified earlier that 24 you had not reviewed the epidemiological studies that 25 did not show effects because you relied on the Swiss</p> |

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| <p style="text-align: right;">Page 106</p> <p>1 conclusions respecting that the 20 percent --</p> <p>2 A. No, those weren't epidemiological -- those were</p> <p>3 ordinary studies as well as epidemiological studies,</p> <p>4 unless I have miswritten my word, but ...</p> <p>5 Q. Okay. Well, my question, though, is: so there</p> <p>6 are cellular studies that would go in both directions,</p> <p>7 some which show effects, some which show no effect?</p> <p>8 A. Oh, absolutely sir, absolutely. Yes.</p> <p>9 Q. And there are also in vivo studies that</p> <p>10 similarly point in both directions.</p> <p>11 A. Yes sir, yes.</p> <p>12 Q. And likewise there are epidemiological studies</p> <p>13 that point in both directions.</p> <p>14 A. Yes, sir.</p> <p>15 Q. So, is it your view that looking at the body of</p> <p>16 the evidence, there's only one conclusion that can be</p> <p>17 drawn from all these three types of studies?</p> <p>18 A. The conclusion never had to be drawn, sir, with</p> <p>19 respect. We knew -- and I will argue that the military</p> <p>20 training of both the United States, the Soviet Union,</p> <p>21 the British, the Canadian, the Australian, the military</p> <p>22 training was second to none, and we knew in those days,</p> <p>23 all of us knew in those days that all microwaves can</p> <p>24 harm cells. There never was any doubt in my mind that</p> <p>25 microwaves could -- could be safe. There never was any</p> | <p style="text-align: right;">Page 108</p> <p>1 cells, but the energy is stored.</p> <p>2 Q. So let me see if I can summarize. So from your</p> <p>3 military experience you learned that there's --</p> <p>4 microwaves are dangerous.</p> <p>5 A. All of them, without a shadow of a doubt.</p> <p>6 Q. So there's no such thing as safe microwaves?</p> <p>7 A. No, sir. There are people who may tolerate --</p> <p>8 like alcohol, who may tolerate more than anybody else</p> <p>9 and may take longer to become ill, but there are no</p> <p>10 safe microwaves and I would argue that the younger</p> <p>11 you are and the more moist you are, as in children,</p> <p>12 the more you are going to absorb and the more danger</p> <p>13 you are going to have at some stage of your life, and</p> <p>14 it may not be until you've had children or</p> <p>15 grandchildren where it shows, which was</p> <p>16 my recommendation here in this deposition, and I'm</p> <p>17 saying: what is the point of all of this now? What is</p> <p>18 the point of all of this here when all they've got to</p> <p>19 do is get a piece of wire that long and a plug and put</p> <p>20 it in the wall and it's safe.</p> <p>21 Q. Do you know that it's an available option for</p> <p>22 the Portland Public Schools?</p> <p>23 A. It must be an available option for anybody to</p> <p>24 run a piece of wire along the floor.</p> <p>25 Q. So you're assuming -- you haven't inspected</p> |
| <p style="text-align: right;">Page 107</p> <p>1 doubt, with all of my training.</p> <p>2 If I thought for one second microwaves could be</p> <p>3 safe, I can assure you I wouldn't be here now, I would be</p> <p>4 retired, not answering the phone and I would be doing my</p> <p>5 garden and walking my dog. They cannot be safe. There is</p> <p>6 no way microwaves can be safe, absolutely none. They --</p> <p>7 they don't change. From the military days in the Cold War,</p> <p>8 they haven't changed. All we've changed is the color of</p> <p>9 the box that they come out of, but microwaves themselves</p> <p>10 cannot change: they are part of the spectrum.</p> <p>11 Q. Okay, so no matter what form they appear in or</p> <p>12 what technology, they're still microwaves?</p> <p>13 A. They're still microwaves. All microwaves react</p> <p>14 with moist cells, all microwaves. It's why microwave</p> <p>15 ovens work. If you put a plate in a microwave oven it</p> <p>16 won't get warm. There's no water in it. Microwaves</p> <p>17 react with water, and water was found to store charge</p> <p>18 in 1745. It was called the Leyden Jar, L-E-Y-D-E-N.</p> <p>19 It was called the Leyden Jar. They found that if</p> <p>20 you generated electricity by friction, you could put it</p> <p>21 in water, and water is incredibly absorbent for</p> <p>22 microwave irradiation, any charge, but water will store</p> <p>23 it and we are made of water. So any microwaves that go</p> <p>24 in the body will be stored as energy in the water-based</p> <p>25 content of the stem cells, the brain cells, the eye</p> | <p style="text-align: right;">Page 109</p> <p>1 the physical layout?</p> <p>2 A. Oh no, sir, no. But, I mean, all you need is</p> <p>3 either a telephone line or a fibre optic cable.</p> <p>4 Q. So if it's true that all -- there's no such</p> <p>5 thing as safe microwaves.</p> <p>6 A. No, sir.</p> <p>7 Q. And the only question is some people can</p> <p>8 tolerate it better than others --</p> <p>9 A. Yes, sir.</p> <p>10 Q. -- then in your view do any of these studies</p> <p>11 really matter?</p> <p>12 A. What a good question. In my mind, sir, they</p> <p>13 are all pointless, because we knew when your Defense</p> <p>14 Intelligence Agency made the list of all of</p> <p>15 the symptoms, which was made from your Naval Research</p> <p>16 Institute that published the definitive list, Naval</p> <p>17 Medical Research Institute, we knew then how dangerous</p> <p>18 they were. My own opinion is that all of these studies</p> <p>19 going on now are really superfluous to the studies</p> <p>20 we had then. They're not going to change anything.</p> <p>21 We know then how dangerous they were, so in my mind,</p> <p>22 we are doing exactly what the tobacco industry did from</p> <p>23 the 1920s, when Dr. Johnson of Edinburgh linked</p> <p>24 cigarettes to cancer, and oddly enough, this was on</p> <p>25 the BBC just this month when it was disclosed that</p> |

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| <p>1 the health minister stopped the people objecting to 2 smoking in the 60s because he said the government 3 needed the money from the revenue, and I believe that 4 this multi-trillion dollar industry is going to run its 5 course at the cost of whatever the cost is in terms of 6 human health, for no other reason, sadly, than profit, 7 and I think it's a sad reflection of where we are 8 today.</p> <p>9 Q. Let's take a look, if you would, at some of 10 the exhibits that have been previously marked. I have 11 a list and they should be in numerical order. I'm 12 beginning with exhibit 5.</p> <p>13 A. 1, 2, 3, 4 -- 14 (Exhibit 5 shown to witness)</p> <p>15 Q. Yeah, right, that's 5 right there. It should 16 be marked at the bottom. Exhibit 5 is a fact sheet 17 from the U.S. National Cancer Institute, which is part 18 of the U.S. Department of Health & Human Services.</p> <p>19 A. Ah-ha.</p> <p>20 Q. Are you familiar with the position of 21 the National Cancer Institute on cell phone use?</p> <p>22 A. No, sir, not in the United States. I may have 23 referenced something they've written, but ...</p> <p>24 Q. If you look at the box at the top where it says 25 "Key points".</p> | <p>1 we are not homogeneous, we're not all the same, 2 we won't have consistent evidence. The wording there, 3 I believe, is -- is meant to actually deceive.</p> <p>4 Q. Okay, well let's turn to the next page of 5 the exhibit, it's page 2 under the heading "What has 6 research shown about the possible cancer-causing 7 effects of radiofrequency energy?"; do you see that?</p> <p>8 A. Yes sir, yes, I've got that.</p> <p>9 Q. If you could read, please, the first paragraph.</p> <p>10 A. "Although there have been some concerns that 11 radiofrequency energy from cell phones [has --] held 12 closely to the head may affect the brain and other 13 tissues, to date there is no evidence from studies of 14 cells, animals, or humans that radiofrequency energy 15 can cause cancer."</p> <p>16 Q. Again, would you disagree with this statement 17 of the National Cancer Institute?</p> <p>18 A. Well, they're -- they're disagreeing with your 19 own government. Your own government says there is.</p> <p>20 Q. Where is the -- the U.S. Government?</p> <p>21 A. Yes.</p> <p>22 Q. In what -- in what publication?</p> <p>23 A. In the Defense Intelligence Agency documents 24 when they list all of the illnesses that you can get, 25 and your national Naval Medical Research Institute.</p> |
| Page 111 | Page 113 |
| <p>1 A. Yes, sir.</p> <p>2 Q. Would you mind reading the -- reading out loud 3 the first sentence -- or the third bullet point of 4 the first sentence?</p> <p>5 A. "Studies thus ...", that one?</p> <p>6 Q. Yes.</p> <p>7 A. "Studies thus far have not shown a consistent 8 link between cell phone use and cancers of the brain 9 ..."</p> <p>10 Carry on?</p> <p>11 Q. Yes.</p> <p>12 A. "... nerves, or other tissue of the head or 13 neck. More research is needed because cell phone 14 technology and how people use cell phones have been 15 changing rapidly."</p> <p>16 Q. Now, I take it you disagree with the statement 17 from the U.S. National Cancer Institute?</p> <p>18 A. It doesn't make sense, sir. There is a -- it 19 doesn't make sense. The word "Consistent". Again, if 20 I refer to my thought experiments, if I went down there 21 and took 10,000 people and made them smoke five 22 cigarettes and drink a pint of beer a day, there would 23 be no consistent evidence because they would all be 24 different. It wouldn't -- doesn't mean it's safe, it 25 just means there is no consistent evidence because</p> | <p>1 The cancer agency are disagreeing with your own 2 government.</p> <p>3 Q. When did the Defense Intelligence Agency make 4 its statements about microwave radiation?</p> <p>5 A. 1976.</p> <p>6 Q. And that was in one paper or a series of 7 papers?</p> <p>8 A. Four.</p> <p>9 Q. Okay, let's take a look, if you would, please, 10 at exhibit 6, the next one in the stack. 11 (Exhibit 6 shown to witness)</p> <p>12 This is a statement from the American Cancer 13 Society; are you familiar with that organization?</p> <p>14 A. No sir, no.</p> <p>15 Q. If you look at the bottom of page 3.</p> <p>16 A. "In summary ..."?</p> <p>17 Q. Yes, please read that, sir.</p> <p>18 A. "In summary, most studies published so far have 19 not found a link between cell phone use and 20 the development of tumours. However, these studies 21 have had some important limitations that make them 22 unlikely to end the controversy about whether cell 23 phones use affects cancer risk."</p> <p>24 Q. Now what's your view on that statement by 25 the American Cancer Society?</p> |

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| <p style="text-align: right;">Page 114</p> <p>1 A. They're wrong. They're wrong.</p> <p>2 Q. They're wrong based on what the Defense</p> <p>3 Intelligence Agency had found in 1976?</p> <p>4 A. No. They're wrong because the industry</p> <p>5 themselves have found it can cause cancer. They're</p> <p>6 wrong because -- again, we've got one of these words</p> <p>7 here, "Most". I don't know what they mean by "Most".</p> <p>8 Most -- what, most that they've read? Most that have</p> <p>9 been recommended to them? Most that they've sent for?</p> <p>10 If they're talking about most that have ever been</p> <p>11 published, they can't be right. I don't know what they</p> <p>12 mean by "Most".</p> <p>13 Q. Well, I'll represent to you that</p> <p>14 the American Cancer Society is a non profit</p> <p>15 organization --</p> <p>16 A. Okay.</p> <p>17 Q. -- whose mission is to eradicate cancer.</p> <p>18 A. Okay.</p> <p>19 Q. Now, with that mission in mind, do you know how</p> <p>20 it could be that the American Cancer Society would say</p> <p>21 that:</p> <p>22 "Most studies ... have not found a link between</p> <p>23 cell phone use and the development of tumours"?</p> <p>24 A. Which tumours?</p> <p>25 Q. Brain tumours.</p> | <p style="text-align: right;">Page 116</p> <p>1 published, when they eliminated all children from</p> <p>2 the research, they eliminated everybody below the age of 30</p> <p>3 and above the age of 50. They eliminated everybody who used</p> <p>4 more than one phone, or had a corporate phone. There were</p> <p>5 so many statistical anomalies that a part of that research</p> <p>6 actually came out that cell phones prevented cancer when</p> <p>7 they were left with the 16 percent of the population spread</p> <p>8 over the rest of the country.</p> <p>9 So, it's -- this is too arbitrary and it's --</p> <p>10 I would disagree with that and I would want to know where</p> <p>11 they got their data from.</p> <p>12 Q. Is the military research that you have</p> <p>13 referenced available to anyone?</p> <p>14 A. Oh yes sir, yes. In fact, it's published in</p> <p>15 blocks these days by universities.</p> <p>16 Q. So presumably --</p> <p>17 A. I've referenced it in a few of my papers.</p> <p>18 Q. So presumably it's available to</p> <p>19 the American Cancer Society?</p> <p>20 A. Under the Freedom of Information Act, yes sir.</p> <p>21 Q. As well as the National Cancer Institute?</p> <p>22 A. Yes sir, yes.</p> <p>23 Q. Take a look, if you would, at exhibit 9.</p> <p>24 (Exhibit 9 shown to witness)</p> <p>25 A. Yes.</p> |
| <p style="text-align: right;">Page 115</p> <p>1 A. Well, we're back to the -- you see, the latency</p> <p>2 period for brain tumours can be 20 to 30 years, so if</p> <p>3 they're looking at those particular tumours, they may</p> <p>4 not have all the information on that, but there are</p> <p>5 certainly papers that are showing brain tumours, and</p> <p>6 there are certainly papers that are showing pyrotic</p> <p>7 gland tumours. In fact, there's a three thousand fold</p> <p>8 increase in China which is put down to mobile phones.</p> <p>9 There is the study in Denmark on children. There is</p> <p>10 a study -- UNICEF have completed a study, quite</p> <p>11 an important ten-year study highlighting the dangers</p> <p>12 for children.</p> <p>13 So, again, I'm -- it's -- they haven't said how</p> <p>14 many papers they've looked at, where they got them from.</p> <p>15 Q. But suffice it to say, you would disagree with</p> <p>16 them?</p> <p>17 A. I totally disagree with them. I would have to</p> <p>18 disagree with them. I mean, they're -- again, they're</p> <p>19 disagreeing with military research and published</p> <p>20 military research, and there are, to my knowledge,</p> <p>21 around 6,000 papers published by military on low level</p> <p>22 microwaves. I mean, and they haven't said where</p> <p>23 they're starting from either. From where? 1995?</p> <p>24 And one of the latest cell phone ones -- I mean,</p> <p>25 when you look at the research of the latest study that was</p> | <p style="text-align: right;">Page 117</p> <p>1 Q. Now, there are a couple of pieces to exhibit 9,</p> <p>2 but I'd like to direct your attention to the second to</p> <p>3 the last page, with radiation -- not the very last</p> <p>4 page, but the page before that, it should say</p> <p>5 "Health issues", and then there's a question, "Do cell</p> <p>6 phones pose a health hazard"?</p> <p>7 A. Okay, yes.</p> <p>8 Q. And the U.S. Food and Drug Administration</p> <p>9 states that:</p> <p>10 "Many people are concerned that cell phone</p> <p>11 radiation will cause cancer or other serious health hazards.</p> <p>12 The weight of scientific evidence has not linked cell phones</p> <p>13 with any health problems."</p> <p>14 This is from their website, pulled within the last</p> <p>15 week; do you disagree with that statement?</p> <p>16 A. "The weight of scientific evidence" regarding</p> <p>17 what? The weight of scientific evidence on 15-year</p> <p>18 olds, adults? It's too non-specific. I mean,</p> <p>19 you could say -- they could say the weight of</p> <p>20 scientific evidence, but if you asked them they could</p> <p>21 say: well, yes, the weight of scientific evidence on</p> <p>22 people who have had a cell phone in the last three</p> <p>23 years. We don't know. It's too non-specific.</p> <p>24 Q. Okay, let's turn to the following page of</p> <p>25 the exhibit, which is the last page, and the current</p> |

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| <p>1 research results. If you could read the first --</p> <p>2 the question and then the first paragraph of</p> <p>3 the answer.</p> <p>4 A. "Is there a [common] connection between certain</p> <p>5 health problems and exposure to radiofrequency fields</p> <p>6 via cell phone use."</p> <p>7 That one?</p> <p>8 Q. Yes, and then answer. Begin with the next</p> <p>9 paragraph, please.</p> <p>10 A. Oh yes, sorry, yes.</p> <p>11 "The results of most studies conducted to date</p> <p>12 indicate that there is not. In addition, attempts to</p> <p>13 replicate and confirm the few studies that did show</p> <p>14 a connection have failed."</p> <p>15 Q. Okay. So, do you disagree with the view of</p> <p>16 the Food and Drug Administration?</p> <p>17 A. Without a doubt. I mean, they're disagreeing</p> <p>18 with your own government again.</p> <p>19 Q. The Food and Drug Administration is part of</p> <p>20 the government.</p> <p>21 A. Well, they're disagreeing with the part that</p> <p>22 says there is a danger, the military wing.</p> <p>23 Q. Okay, let's take a look at exhibit 10.</p> <p>24 (Exhibit 10 shown to witness)</p> <p>25 Exhibit 10 is a statement by the National</p> | <p>1 Q. If they struck the word "conclusively" so that</p> <p>2 the statement said:</p> <p>3 "The weight of scientific evidence has not linked</p> <p>4 cell phone use with any adverse health problems."</p> <p>5 A. That would be wrong, because there are at least</p> <p>6 25 court judgments against the cell phone industry to</p> <p>7 my knowledge, and five or six of them High Court</p> <p>8 judgments.</p> <p>9 Q. In the U.K.?</p> <p>10 A. Oh no sir, no, internationally. There are</p> <p>11 three High Court judges, which I've referenced in</p> <p>12 a paper, in Austria, proving cell phones can cause</p> <p>13 cancer, from Professor Wolfdieterich Rose, there are</p> <p>14 two cases in Italy, the Vatican and the one on cell</p> <p>15 phones, where it was proved the cell phone caused</p> <p>16 the cancer, and -- where was the other one? Three,</p> <p>17 four, five, I can't think of any other ones, but there</p> <p>18 are -- and there are 19 lesser, with due respect to</p> <p>19 the magistrates or judges, 19 lesser legal decisions</p> <p>20 where towers have been ordered down on the basis of</p> <p>21 probability without proof.</p> <p>22 Q. Okay, but in the earlier cases you described,</p> <p>23 you said that there was proof of a connection between</p> <p>24 cell phone use and cancer?</p> <p>25 A. Oh yes, sir. Yes, yes, absolutely --</p> |
| Page 119 | Page 121 |
| <p>1 Toxicology Program of the United States. If you look at</p> <p>2 the end of the first paragraph under "Description".</p> <p>3 A. Yes, I've got it and I've picked the word out</p> <p>4 as well.</p> <p>5 Q. You've probably picked the right sentence.</p> <p>6 A. Yes.</p> <p>7 Q. "The weight of the current scientific</p> <p>8 evidence --"</p> <p>9 A. Yes.</p> <p>10 Q. "-- has not conclusively linked cell phone use</p> <p>11 with any adverse health problems, but more research is</p> <p>12 needed."</p> <p>13 A. We're back to our aspirin: you can't</p> <p>14 conclusively prove aspirin works. There is no</p> <p>15 conclusive evidence -- scientific evidence ever.</p> <p>16 Q. Okay, so you disagree with the National</p> <p>17 Toxicology Program statement on that basis?</p> <p>18 A. They're using the wrong word. They're using</p> <p>19 a word which does not have definition in academic</p> <p>20 circles. You can't conclusively say anything</p> <p>21 scientifically, which is why they're using it.</p> <p>22 Q. Do you know what the purpose of the National</p> <p>23 Toxicology Program is?</p> <p>24 A. No sir, but I know they -- they don't know how</p> <p>25 to write sentences.</p> | <p>1 Q. And proof to say --</p> <p>2 A. Yes, in the High Court.</p> <p>3 Q. Conclusive proof?</p> <p>4 A. Yes, sir. Well, not -- well, proof that would</p> <p>5 satisfy a judge.</p> <p>6 Q. So --</p> <p>7 A. On the balance of probability.</p> <p>8 Q. So preponderance of the evidence.</p> <p>9 A. Yes, sir.</p> <p>10 Q. Okay, now if you would please take a look at</p> <p>11 exhibit 14.</p> <p>12 (Exhibit 14 shown to witness)</p> <p>13 A. 14, Health Protection Agency.</p> <p>14 Q. Okay, now are you familiar with exhibit 14?</p> <p>15 A. When did they write this?</p> <p>16 Q. I'm not sure if your copy shows it, but</p> <p>17 there's -- the lower right footer shows it was taken</p> <p>18 off their website on --</p> <p>19 A. Okay, I'm familiar with the Health Protection</p> <p>20 Agency.</p> <p>21 Q. And are you familiar with their stance on</p> <p>22 mobile phones?</p> <p>23 A. Oh, very familiar with most of their work.</p> <p>24 I argue against them at meetings most of the time.</p> <p>25 Q. Okay, well in this document, exhibit 14,</p> |

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|---|--|
| <p>1 the U.K. Health Protection Agency says that:</p> <p>2 "The scientific consensus is that, apart from</p> <p>3 the increased risk of a road accident due to mobile phone</p> <p>4 use when driving, there is no clear evidence of adverse</p> <p>5 health effects from the use of mobile phones or from phone</p> <p>6 masts. However there is now widespread use of this</p> <p>7 relatively new technology and more research is needed in</p> <p>8 case there are long-term effects."</p> <p>9 Again, what's your view on the U.K.'s Health</p> <p>10 Protection Agency's --</p> <p>11 A. Well, they're a government body. They, along</p> <p>12 with ICNIRP, which they sit on -- most of them,</p> <p>13 I think, sit on the board or advise, they only look at</p> <p>14 the thermal effect.</p> <p>15 Q. The U.K. does?</p> <p>16 A. Well, so does the ICNIRP, the ICNIRP again</p> <p>17 looks at thermal effects.</p> <p>18 Q. How do you know that they look only at thermal</p> <p>19 effects?</p> <p>20 A. I've read it, I've read the ICNIRP statement.</p> <p>21 Q. Okay, so that's -- how do you know that</p> <p>22 the U.K. Health Protection Agency looks only at thermal</p> <p>23 effects?</p> <p>24 A. That is their -- they published it in, oh,</p> <p>25 probably the late 1990s, that their direction from</p> | <p>1 is their own advice that children may be especially</p> <p>2 sensitive to this, and decision-makers need to review</p> <p>3 current scientific literature, see what is known to be</p> <p>4 causing illness -- and I'm thinking here of</p> <p>5 the bioinitiative report where they actually set up</p> <p>6 a level -- and set a threshold below what is currently known</p> <p>7 to be causing illness, and they're not following their own</p> <p>8 advice.</p> <p>9 Q. Well, the Health Protection Agency exists to</p> <p>10 protect the health of --</p> <p>11 A. No sir, no. The Health Protection Agency</p> <p>12 exists to follow its directive from government.</p> <p>13 Q. What is their directive?</p> <p>14 A. The directive from the government is to only</p> <p>15 consider, or only recommend levels that are thermal.</p> <p>16 Q. On a broader basis, what's the purpose of</p> <p>17 the U.K. Health Protection Agency?</p> <p>18 A. Theoretically to protect the public, but</p> <p>19 they're not doing it.</p> <p>20 Q. In this instance?</p> <p>21 A. In this instance. Well, in another instance.</p> <p>22 For instance, there was a big argument when -- in</p> <p>23 Plymouth when the dockyard wanted to dismantle</p> <p>24 a nuclear submarine and dump tritium into</p> <p>25 the River Tamar, and the scientists at the local</p> |
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| <p>1 the government was to only consider thermal effects.</p> <p>2 But, in fact, they added something with the ICNIRP, in</p> <p>3 the ICNIRP statement that was published in 2002, and</p> <p>4 that was on page 546 of the ICNIRP statement, published</p> <p>5 in 2002, of which the Health Protection Agency help</p> <p>6 advise, they say that special precautions need be taken</p> <p>7 for children, the elderly, the sick and people who may</p> <p>8 be especially sensitive to low level microwave</p> <p>9 irradiation, and they also say, on the next page, 547,</p> <p>10 that decision-makers, namely the Health Protection</p> <p>11 Agency, decision-makers should look at current</p> <p>12 scientific publications and set a safety threshold</p> <p>13 below what is known to be causing illness.</p> <p>14 Q. That was ICNIRP?</p> <p>15 A. Absolutely, page 547.</p> <p>16 Q. From which year?</p> <p>17 A. 2002. Published in Health Physics.</p> <p>18 Q. Okay, and then --</p> <p>19 A. They're actually admitting there that it can</p> <p>20 cause illness and you need to set a threshold below</p> <p>21 what is currently known.</p> <p>22 Now, where they make a mistake, coming back to</p> <p>23 the Health Protection Agency and ICNIRP, their safety level</p> <p>24 is based on thermal qualities; in other words the most that</p> <p>25 you can stand in six minutes. What they're not looking at</p> | <p>1 university said: that will exceed the safety level for</p> <p>2 the river, and the Health Protection Agency said: no,</p> <p>3 it won't, the safety level goes from there to there,</p> <p>4 and now it's safe.</p> <p>5 This is what they're doing with microwaves:</p> <p>6 they're not looking at their own recommendation that says:</p> <p>7 go below what we know is causing illness. They are looking</p> <p>8 at the maximum six minutes heating. They are saying that's</p> <p>9 the safety level, and when they come and measure schools and</p> <p>10 buildings and transmitters, they're comparing it with</p> <p>11 the top level, not the bottom level, which is variable.</p> <p>12 Q. When you say their own recommendation, you mean</p> <p>13 the ICNIRP recommendation?</p> <p>14 A. Yes, exactly. We follow the ICNIRP</p> <p>15 recommendation. And this is why we have this problem.</p> <p>16 We're looking, we're judging all of the transmitters,</p> <p>17 the schools, everything, at the top level. We're not</p> <p>18 looking at the variable -- if I can put it in a better</p> <p>19 way, when you buy a packet of pills -- I've got</p> <p>20 a packet of pills in my pocket. When you buy a packet</p> <p>21 of pills, there's an adult dose and there's</p> <p>22 a children's dose, and the adult dose is the maximum.</p> <p>23 What we're doing -- what they're doing is saying if</p> <p>24 it's below the maximum, you're okay, but in fact</p> <p>25 they're not looking at the children's dose.</p> |

32 (Pages 122 to 125)

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| <p style="text-align: right;">Page 126</p> <p>1 Q. Why would they do that? 2 A. To protect children. 3 Q. No, why would the Health Protection Agency turn 4 a blind eye to something that they knew would be 5 harmful? 6 A. The same reason that they told the anti-smoking 7 people to be quiet: revenue, government revenue. 8 I mean, look at the money that's coming in. This is 9 based on money, isn't it? 10 Q. Don't you think that there will be -- the costs 11 to the government and to society for increased health 12 care will more than offset that? 13 A. It will do, but not today, and most people will 14 be dead and most people that made the decision won't be 15 around, and I can give you an example, if you wish. 16 Q. Well, let's -- I'd like to turn to -- back to 17 the U.S., the regulations of the Federal Communication 18 Commission. 19 A. The U.S. Federal -- is it on here? 20 Q. It's in one of these exhibits. 21 First, before we turn to that exhibit, I just want 22 to -- are you familiar with what the United States Federal 23 Communications Commission has issued for regulations 24 governing -- 25 A. No.</p> | <p style="text-align: right;">Page 128</p> <p>1 Q. You state there that you were informed that 2 Mr. Ahlbom was exposed as a director of the telecom 3 Lobby firm. 4 A. Yes, sir. 5 Q. Who informed you? 6 A. It was -- I have three, I think, voluntary 7 researchers who do research and keep sending it to me, 8 and it was a -- one of my researchers who spotted 9 the name, telephoned me up, gave me the information and 10 then sent me a document. 11 Q. Do you recall which researcher that was? 12 A. Sylvia Wright. 13 Q. Now, in the next paragraph, paragraph 5, 14 you state that the Interphone study was internationally 15 discredited. Who discredited the Interphone study? 16 A. I've read that -- I think there were -- there 17 was an article in Health magazine; there was an article 18 in Microwave News, an article in -- I read four 19 articles that disagreed with the Interphone study 20 because of the statistical analyses of the results. 21 The main one was in Health magazine. 22 Q. Okay, so did they disagree with the study or 23 discredit the study? I just want to make sure we're 24 clear -- 25 A. They discredited the study because the study --</p> |
| <p style="text-align: right;">Page 127</p> <p>1 Q. -- power density? 2 A. No, sir. 3 Q. Okay. That makes short work of that line of 4 questioning. 5 Why don't we take a break? 6 (2:45 p.m.) 7 (Break taken.) 8 (2:53 p.m.) 9 (Exhibit 56 marked for identification) 10 MR. CAMPBELL: Mr. Trower, you now have in 11 front of you what's been marked exhibit 56; can you 12 identify that document? 13 A. United States District Court, Oregon. 14 Q. Right, and it's entitled "Reply of 15 Barrie Trower to David." 16 A. Oh, that's right, yes. Yes. 17 Q. And is that something that you prepared? 18 A. Yes, sir, yes. Yes. 19 Q. Is that your signature on the last page of 20 the document? 21 A. Absolutely, yes sir. 22 Q. Okay, let's take a look at page 4 -- I'm sorry, 23 page 2, paragraph 4 of your declaration -- of your 24 reply declaration. 25 A. Page 2, paragraph 4. Yes, sir.</p> | <p style="text-align: right;">Page 129</p> <p>1 the statistics were not given at the time of 2 the result. The Interphone study, though, it was -- 3 we're looking at 13 countries, aren't we? 13 countries 4 over ten years, 200 scientists, whatever it was, and 5 the results were published initially saying that 6 microwaves were safe, and then -- this was before 7 the paper was properly peer reviewed, because they were 8 arguing over it for years. 9 Then when the figures were actually looked at, 10 that's the one where they described heavy use as so many 11 hours a month where it was incorrect. They discard -- they 12 discounted children, they discounted the elderly, they 13 discounted people who had died after a certain period of 14 time, you know, it just -- it was just wrong, statistically 15 it was wrong, and in fact when you looked at the results, it 16 still showed that if you used a cell phone for -- I can't 17 think, so many hours a month, you still had a 40 percent 18 chance of developing a brain tumour. 19 Q. Do you think that part of the study was 20 correct? 21 A. 40 percent? Yes. 22 Q. So, even with the statistical problems, 23 that's -- you agree with that outcome? 24 A. If somebody said to me, "We're doing a survey 25 on brain tumours from mobile phones and we're showing</p> |

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| <p>1 a 40 percent increase in brain tumour," I would say: 2 well, I totally agree with the brain tumour, that 3 doesn't surprise me, because military statistics have 4 shown that. 40 percent, I would want to know the age 5 range, the age, whether it was children or adults, but 6 I would agree with it. 7 Q. Even though the latency period for brain 8 tumours is far longer? 9 A. It depends what they're calling -- and there's 10 a sort of a gray area here. If we're talking about 11 gliomas or -- where you have a long latency period, but 12 if they're talking about endocrine cancers, they can 13 develop much more quickly. They're not specific of 14 where the tumour is. It may be the pyrotic gland, it 15 may be the endocrine gland cancer, it may be glioma. 16 I have never read which cancer. 17 For instance, the recent study, which is in here, 18 in my letter, showed a 3,000 percent increase in one type of 19 cancer. It depends. It depends, but I would agree that, 20 yes -- I'm losing myself. I would agree, yes, brain 21 tumours, yes. Which part of the brain and where? 22 Q. Okay, so you don't know whether the 40 percent 23 increase in brain tumours is referred to, if it was 24 gliomas? 25 A. No, it didn't say, the report I read didn't</p> | <p>1 thank you very much, I appreciate your patience. 2 A. My pleasure, sir. 3 EXAMINATION BY MR. ABRELL 4 Q. Just two questions. Mr. Trower, has your 5 testimony here today been based upon your personal 6 opinions or based upon your scientific knowledge and 7 expertise in the field? 8 A. Based upon my teaching from the military and, 9 with the military knowledge, reading the research 10 papers that have been sent to me, or given to me by 11 the police, the fire brigade, the ambulance service, 12 but basically from my teaching and then when some of 13 these systems came out, I seemed to be the only person 14 that they knew that could read them and understand them 15 and translate them into what we call Janet and John. 16 So, it's -- initially it was based on my teaching. 17 Q. Okay. And with what degree of certainty -- can 18 you say with certainty that wi-fi or pulsed 19 microwave -- continuous pulsed microwave radiation is 20 causing harmful and adverse health effects in 21 the children, teachers and staff of the Portland Public 22 Schools -- with what degree of certainty, or can you 23 say that? 24 A. Well, I can -- I mean, even before the most 25 recent study from UNICEF, which is a charity that</p> |
| Page 131 | Page 133 |
| <p>1 say. 2 Q. Okay. 3 Let's take a look at exhibit -- paragraph 13 of 4 exhibit 56. 5 A. 13? 6 Q. Yes. In paragraph 13 you say: 7 "If the U.S. and U.K. governments told the truth 8 in the 1960s and 1970s to the general populations, this 9 court case would not be necessary." 10 A. Absolutely true, sir, absolutely true. 11 Q. And is that a reference to what you -- 12 A. Military. Our military knew in the 1960s from 13 work carried out in the 1950s -- my very first lecture 14 was on the dangers of low level microwave on the human 15 body, and this could be made safe. I know microwaves 16 are dangerous, but so are motorcars. It could be made 17 safe, and it could be used as a proper communications 18 network, but it isn't, and if the governments were 19 honest with the people and they were to spend a little 20 bit more money producing safer waves, then it could 21 work as a system, but at the moment the government has 22 not been honest. My government has been totally 23 dishonest, and not for the first time, but that's 24 a different story. But ... 25 Q. Alright. That's all the questions I have, so</p> | <p>1 I greatly respect. UNICEF decided to do their own 2 research on this, and they published in 2011 with 3 the Russian National Federation Radiation Committee, 4 and they found central nervous system disorders that 5 never get looked at: impaired judgment that seldom gets 6 looked at, other illnesses, epilepsy, that seldom gets 7 looked at, danger to the immune system that never gets 8 looked at. So they found this from children, studying 9 children. It was a ten year study published last year, 10 and I've referenced it in here. 11 So, if you say am I absolutely -- go into 12 the Portland school. Am I absolutely certain children are 13 going to be affected? I would -- I would stake my life on 14 the certainty. How many children, I don't know. How many 15 grandchildren, I don't know, but I do know that some will be 16 affected and it's going to be a gamble. You are gambling 17 that the benefits and the saving of money and the profit 18 will outweigh the sadness to the family of whatever happens. 19 MR. ABRELL: That's all I have. 20 MR. CAMPBELL: We're done. Thank you. 21 THE WITNESS: Thank you for your courtesy, 22 sir. 23 MR. CAMPBELL: You too. It was a pleasure 24 meeting you. 25 THE WITNESS: Thank you.</p> |

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| 1 (Whereupon, the deposition concluded at | 1 CERTIFICATE OF COURT REPORTER |
| 2 3:08 p.m.) | 2 |
| 3 | 3 I, Anne-Marie Stallard, an Accredited Real-time |
| 4 | 4 Reporter, hereby certify that the testimony of the |
| 5 | 5 witness BARRIE TROWER in the foregoing transcript, |
| 6 | 6 numbered pages 5 through 133, taken on this 30 day of |
| 7 | 7 January, 2012 was recorded by me in machine shorthand |
| 8 | 8 and was thereafter transcribed by me; and that the |
| 9 | 9 foregoing transcript is a true and accurate verbatim |
| 10 | 10 record of the said testimony. |
| 11 | 11 |
| 12 | 12 |
| 13 | 13 I further certify that I am not a relative, employee, |
| 14 | 14 counsel or financially involved with any of the parties |
| 15 | 15 to the within cause, nor am I an employee or relative |
| 16 | 16 of any counsel for the parties, nor am I in any way |
| 17 | 17 interested in the outcome of the within cause. |
| 18 | 18 |
| 19 | 19 |
| 20 | 20 Signed: |
| 21 | 21 Name: Anne-Marie Stallard |
| 22 | 22 Date: |
| 23 | 23 |
| 24 | 24 |
| 25 | 25 |
| Page 135 | Page 137 |
| 1 CERTIFICATE OF DEPONENT | 1 ERRATA SHEET |
| 2 | 2 Case Name: AHM & David Mark Morrison v. |
| 3 | 3 Portland Public Schools |
| 4 I, BARRIE TROWER, hereby certify that I have read the | 4 Witness Name: BARRIE TROWER |
| 5 foregoing pages, numbered 5 through 133, of my | 5 Date: 01/30/2012 |
| 6 deposition of testimony taken in these proceedings on | 6 Page/Line From To |
| 7 Monday, January 30, 2012 and, with the exception of the | 7 ____/____ |
| 8 changes listed on the next page and/or corrections, if | 8 ____/____ |
| 9 any, find them to be a true and accurate transcription | 9 ____/____ |
| 10 thereof. | 10 ____/____ |
| 11 | 11 ____/____ |
| 12 Signed: | 12 ____/____ |
| 13 Name: BARRIE TROWER | 13 ____/____ |
| 14 Date: | 14 ____/____ |
| 15 | 15 ____/____ |
| 16 | 16 ____/____ |
| 17 | 17 ____/____ |
| 18 | 18 ____/____ |
| 19 | 19 ____/____ |
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| 21 | 21 ____/____ |
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| 23 | 23 ____/____ |
| 24 | 24 ____/____ |
| 25 | 25 ____/____ |

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9 _____
10 ____/_____
11 _____
12 Subscribed and sworn to before
13 me this 30 day of January, 2012.
14 _____
15 BARRIE TROWER
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